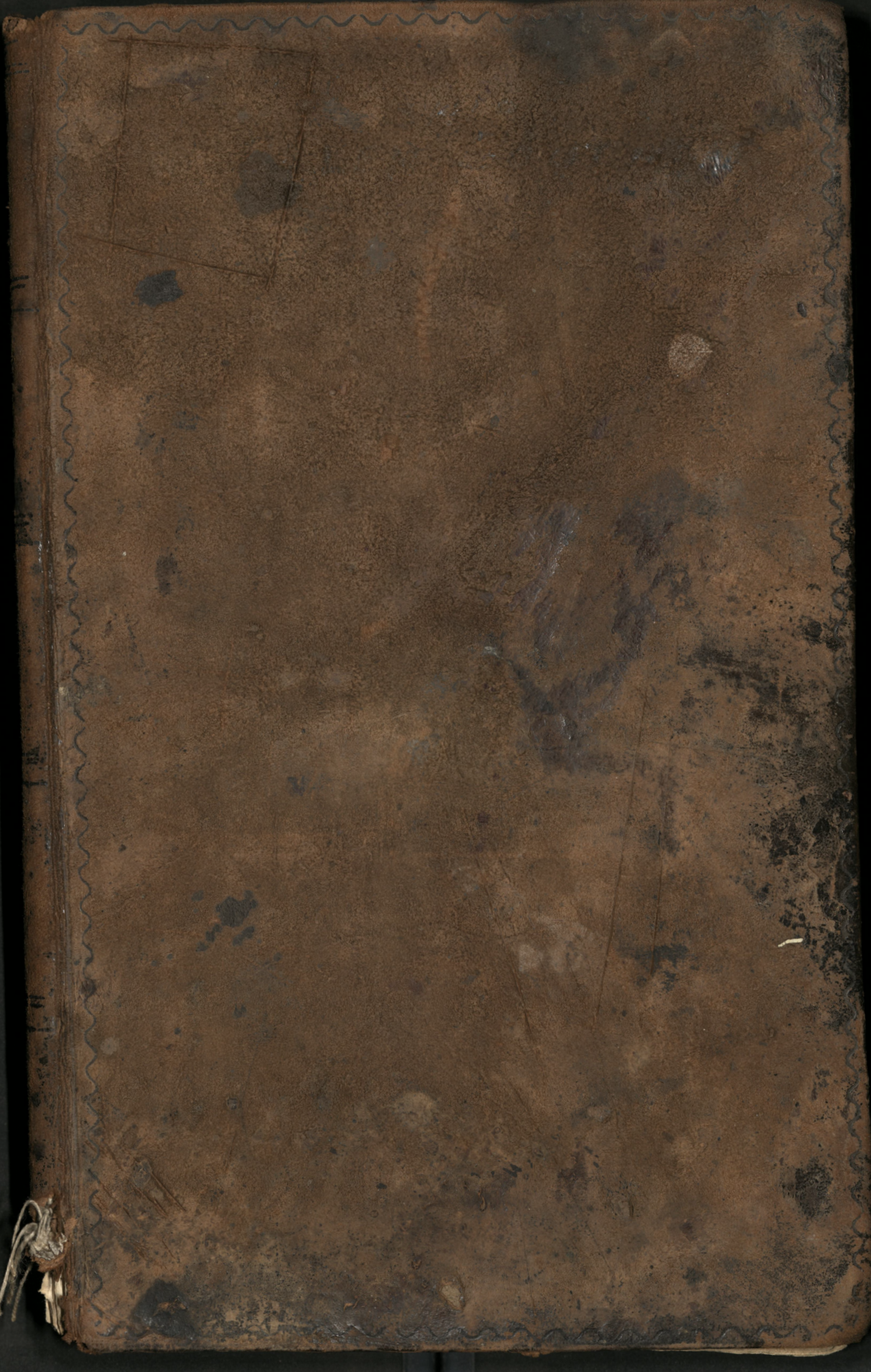


6
~~Samuel Towns Ap~~nd 1800

~~[illegible] [illegible]~~ ~~[illegible]~~

49

Cat Stopper [illegible]

John [illegible]

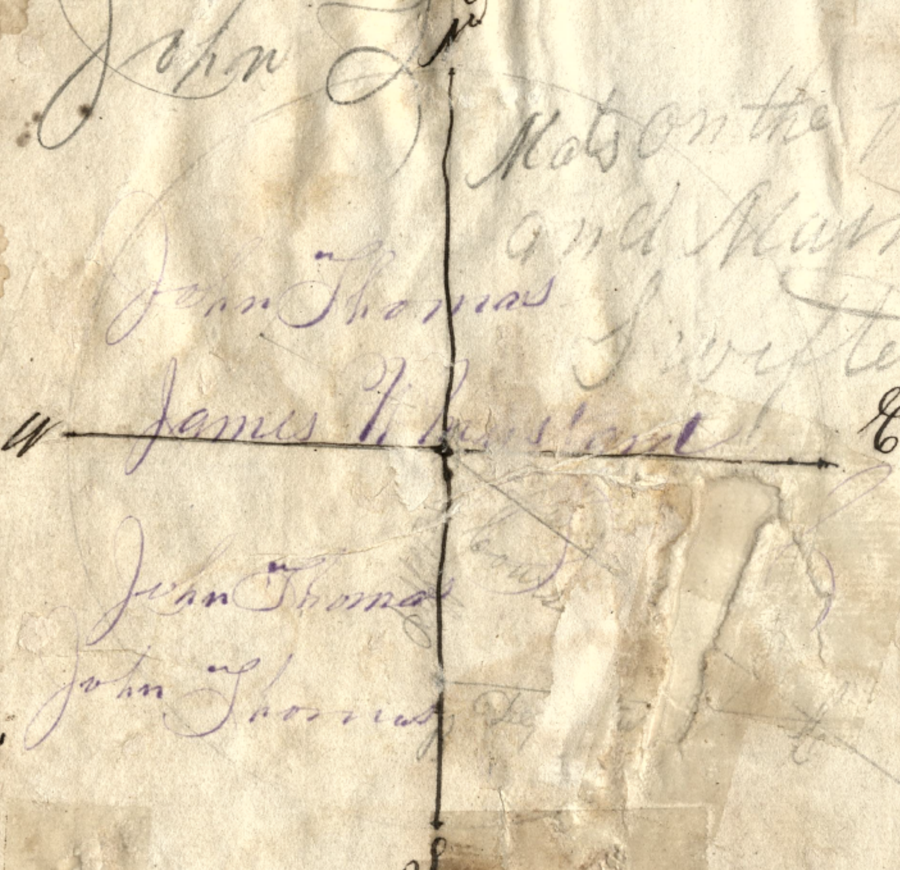
Mats on the fore
and Maine
Swifter

John Thomas

James [illegible]

John Thomas

John Thomas



As distance 244 238739
Is to Radius 90 10 00000
So is diff Lat 136 213354
974615
to the Cosine Course 56.08

As Radius 1000000
Is to distance 244 238739
So is the Sine Course 56,08 991925
is Equal to 2026 230664

130 12 60
8 - 21
3 - 39

651

60) 2017 (2

90 00
6 40
96, 40

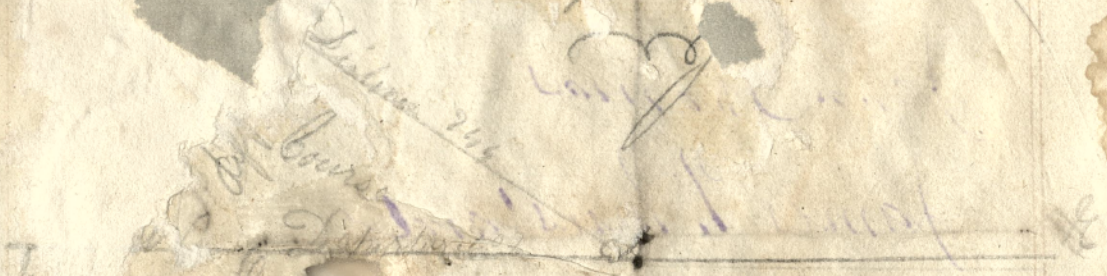
60
6 11 82

326
8 - 1

William [illegible]

Journell of Bark Hariet Hussy

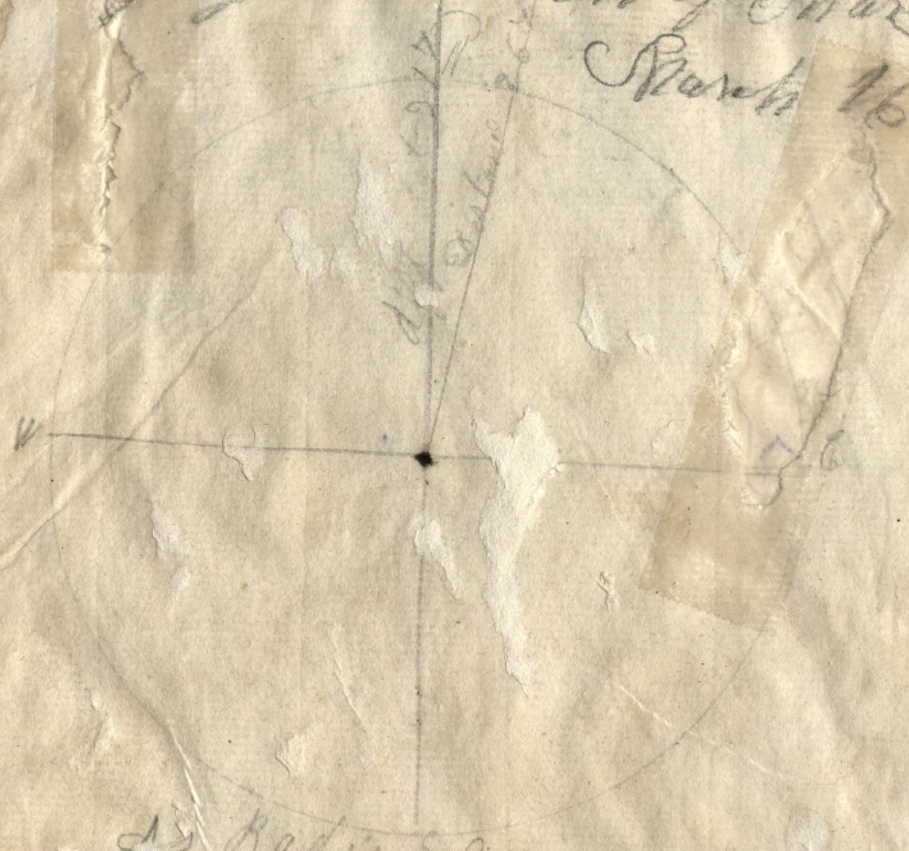
Charleston Towards Liverpool



As dist 244 2.38719
so is to [illegible] 10.00000
so is the departure 103 2.30452
9.92011
is to the [illegible] course [illegible]

As find the departure
As Radius 90 10.00000
[illegible] 9.98849
is to departure [illegible] 9.72417
so is the cosine course 58 2.38155
to the diff lat 1384

Journell of Bark Hariet Hussy
Laying in the Port of Charleston
March 16th 1869



As Radius 90 10.00000
is to distance 267 2.42651
So sine of course [illegible] 9.92903
to the departure [illegible]

2)52
1796

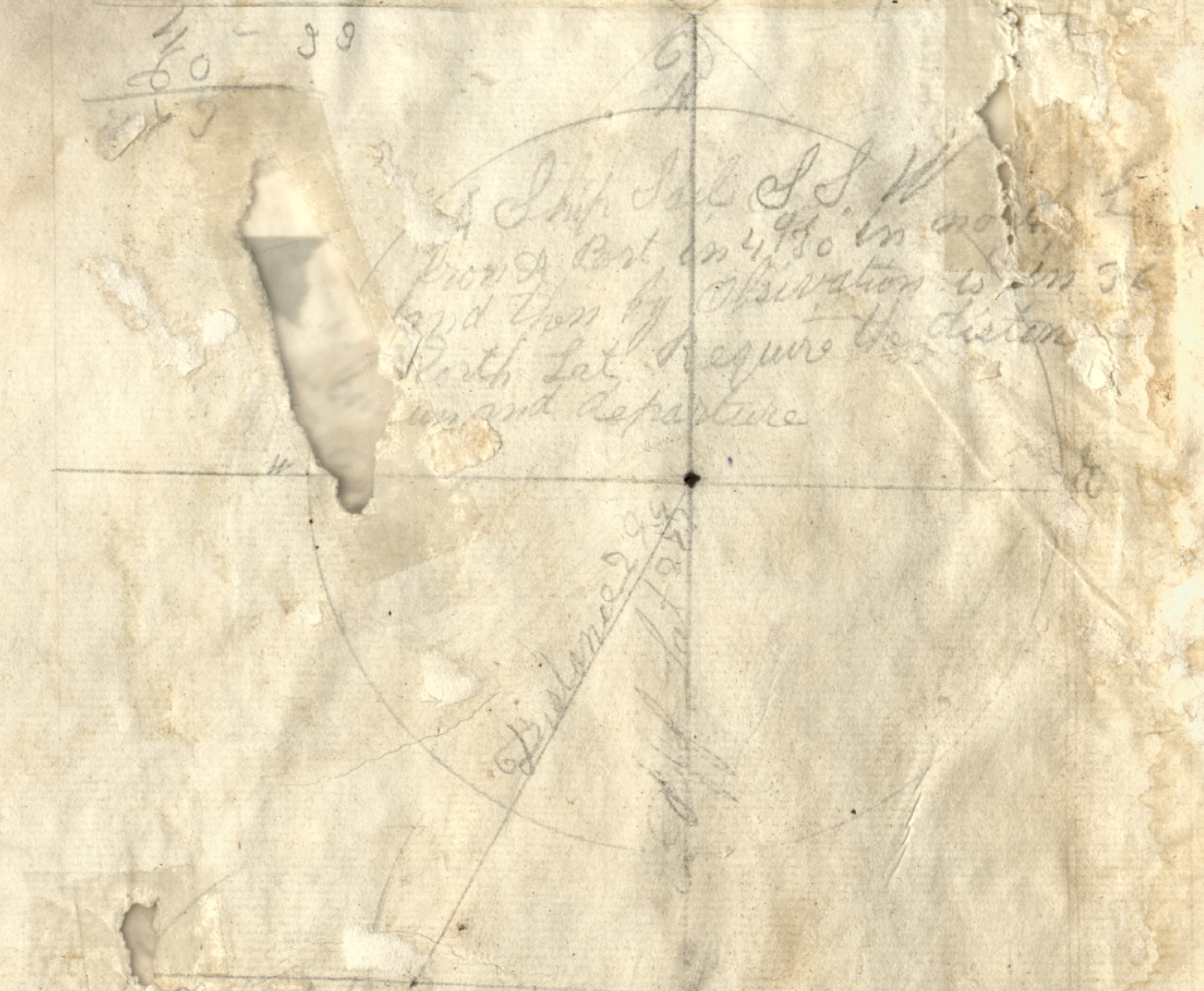
As Radius 90 10.00000
is to distance 267 9.42651
9.99151
so cosine course 8
2.41808
Latitude in 261 — 8 — 11

60)261(4 21
240 10
21 11

41 0 60
41 - 30
36 - 57

40 - 39
60

9)294
98



A Ship Sail S.S.W. [illegible]
from A Port in 4°80 In north
and then by Observation is in 56
North Lat Require the distan
[illegible] and departure

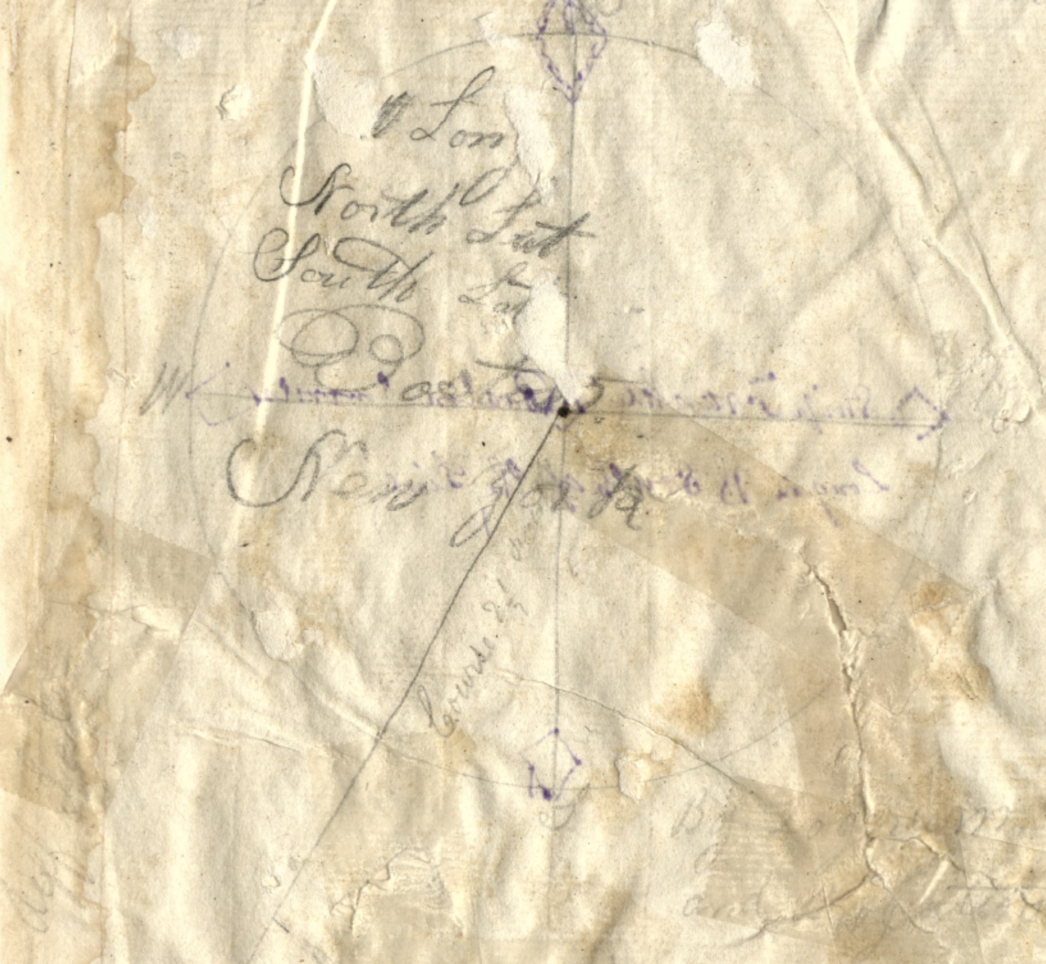
To find the departure
As Rad[illegible]
is to diff Lat 273
So is tangent Course 2 Point
Equal to departure 387

10
9 48
9 6
2 0 [illegible]

To find distance
As Radius 90
is to diff Lat 273
[illegible] secant Course 2 Point
[illegible] distance 985

10 00000
2 4345
10 03438
2 46 885

A Ship Sails S S West [illegible] from A Port
2° 30' South Lat untill her departure be 59 Leagues
require the distance Run and Latitude in



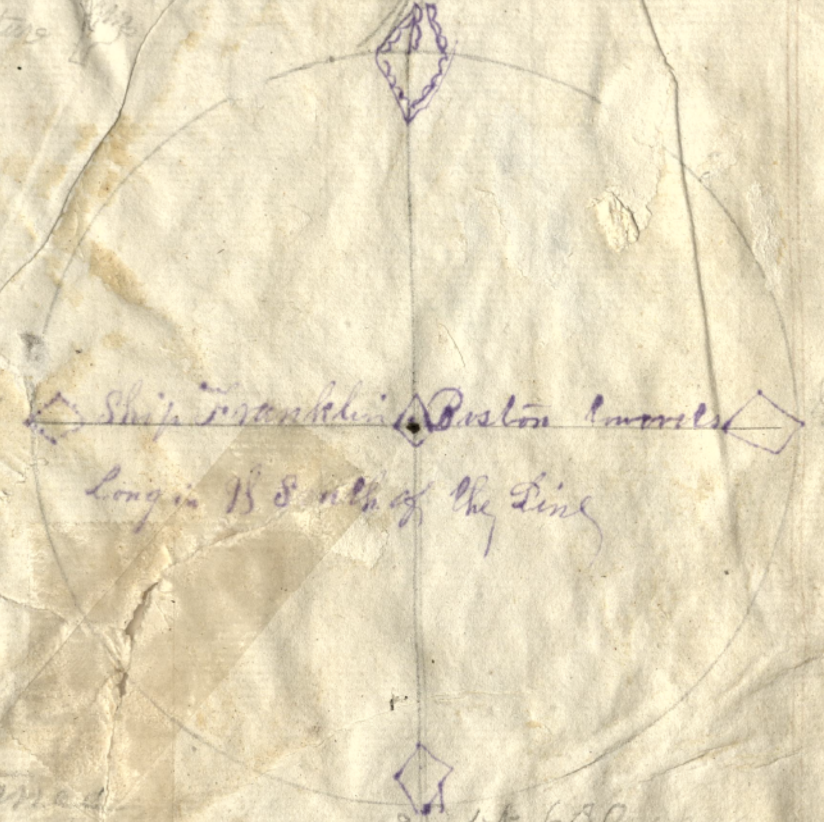
Departure 59 Leagues
As Radius
is to departure 177
So is Cotangent Course 2½ Point
is to diff Latitude 7 43

14 0000
2 247
10 27 909
2 [illegible]

As Radius 90
is to departure 177
So is the Cosecant Course 2½
is to distance 128 Miles

10 00000
2 24 7
10 32661
2 57458

If a Ship Sails 360 Miles South Westward
from 7 [illegible] South Latitude untill by Observation
She be 2 [illegible] South Latitude what is her Course
and Departure [illegible]


Ship Franklin Boston [illegible]
Long in 15 South of the Line

As distance — 2 55630
is to Radius 90 — 10 00000
so Diff Lat 170 — 2 23045
— 9 67415
to Cosine Course 61 49

As Radius 90 — 10 00000
is distance 360 — 2 55630
so is to Sine Course 61 49 — 9 94513
— 2 50143
to to departure 317 3

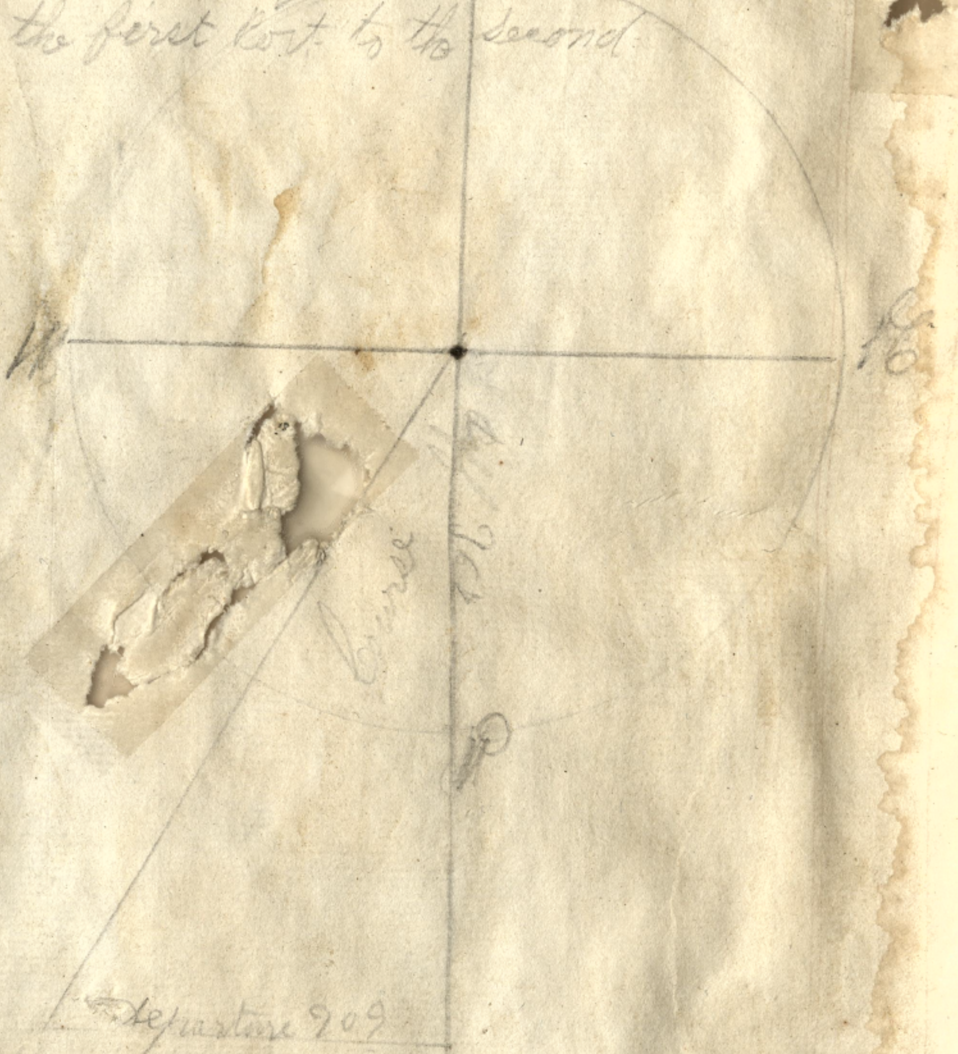
Departure 15
N
Course [illegible]

Suppose A Ship Sail [illegible] 4 Miles what is
the Course and Departure [illegible]

To find the Course
As distance — 354 — 2 54900
is to Radius 90 — 10 00000
so is the departure 150 — 2 17609
So is the Sine of Course 2[illegible] — 9 62709

To find the diff Lat
As Radius — 90 — 10 00000
is to distance 354 — 2 54900
So is Cosine Course 25 — 9 95704
is to diff Lat 3[illegible] — 2 50604

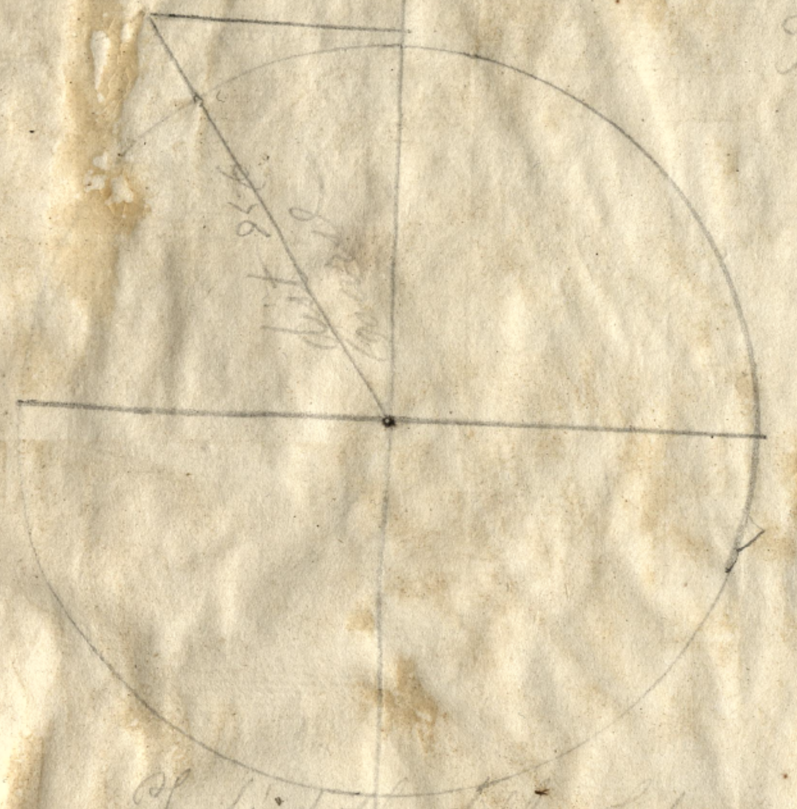
Sailing between the north and the west from
A Port 1° 5's South Lat and arriveing at another
Port in 6° 8' North Lat which 909 Miles to the west from
Of the first Port require the Course and the distance
from the first Port to the second



To find the distance
To find the tangent Course

As the diff of Lat	987	25 467
is to the Radius	90	10,00000
so is the departure	909	2 9 2 0 1 5
is to the tangent course	98° 10	9 7 1 5 4 8

As Radius	90	10,00000
so is diff Lat	909	2 9 7 0 1 5
So is the Co secant Course	79° 40	10 9 0 5 4,4
is to the distance	4222	2,6 2 5 5 9



2) 768
2 56
2) 426
142
7 14
60
42 4
4
2) 494
144

To find the diff Lat

As Radius	90	10,00000
is to dist	768	2 8 8 5 0 6
so is the Course	8°	9 9 1 9 8 5
to the diff Lat	7 14	2,8 0 5 2 1

A Ship in the lat. of 52 South is bound to a Port bearing N W b W [illegible] North how far doth that Port lie to the [illegible] And what is the Ships distance from it

To find the distance

As cosine course 57 — 9.67339
is to diff lat 167 — 2.22272
so is the Radius 90 — 10.00000
to the distance 1062 Mi — 2.5[illegible]

As Radius 90 — 10.00000
is to diff lat 167 — 2.22272
so is the tangent course 57 — 10.2[illegible]
to the departure 930 Miles — 2.49476

	dist		S	E	W
S W b W	97		15.0		22.4
W S W 1/2 W	30		7		28.7
W [illegible]	25		1.9		24.5
[illegible]	18	8			1.[illegible]
[illegible]	32		29.6	19.2	
S E [illegible]	27		13.9	13.5	
S [illegible]	27		4[illegible]	4.8	
[illegible]	25		40		
South	31		20	14.9	
S S [illegible]	39				
		95	[illegible]	42.9	99.3
dif			3[illegible]		45.9
					47.4 departure

Mrs Georgy Partin
&
Mr James Brushnel
Both of
Belgrade Light House
They are as fine looking Couple
as ever you did See

(Georgy 1st)

The ocean may between us role
And distant be our cot but
though in foreign climes I roam
(Georgy) by me you are not forgot
Jim

Sr [illegible] a Ship takes her departure from Block Island in the Lat of [illegible] the middle of it bearing N W the distance by estimation [illegible] and sails S 34 Miles W b S 16 Miles [illegible] 29 Miles and South [illegible] Miles require the Lat [illegible] and the Long and distance from Block Island [illegible] true Courses made good

12, 16
W
N
E
Distance

A [illegible] Course [illegible] 5 38
is to dist 236
[illegible] is Radius to
[illegible] diff Longitude
9 9 5
Longitude
Longitude

[illegible] from the Lat of [illegible] Sails due West 236 Miles
Present Longitude

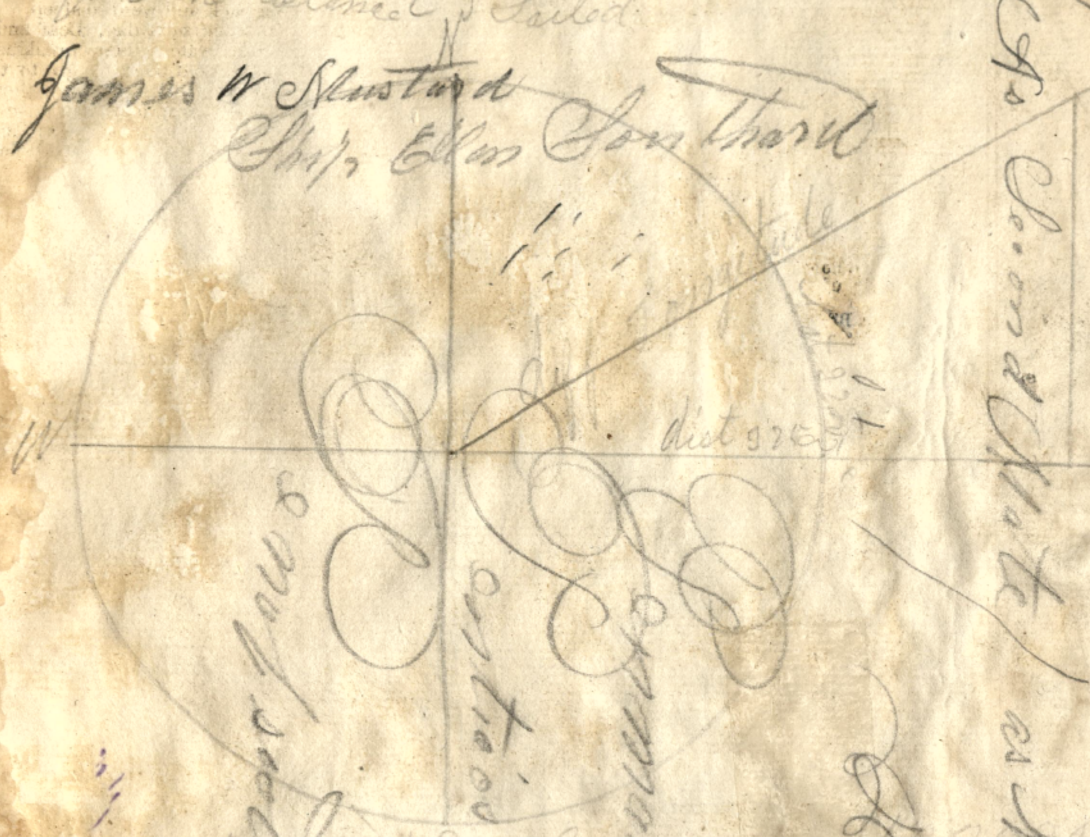
5 3 5 Longitude [illegible]
[illegible] her present Longitude

43

Page [illegible] A Ship in the Latitude of 39° 4' Sails due [illegible] the difference of Longitude is 384 Miles require the distance Sailed

James W Mustard

Ship Ellen Southard



As Radius is to diff Longitude 384
So is Co-sine [illegible]
to distance [illegible]

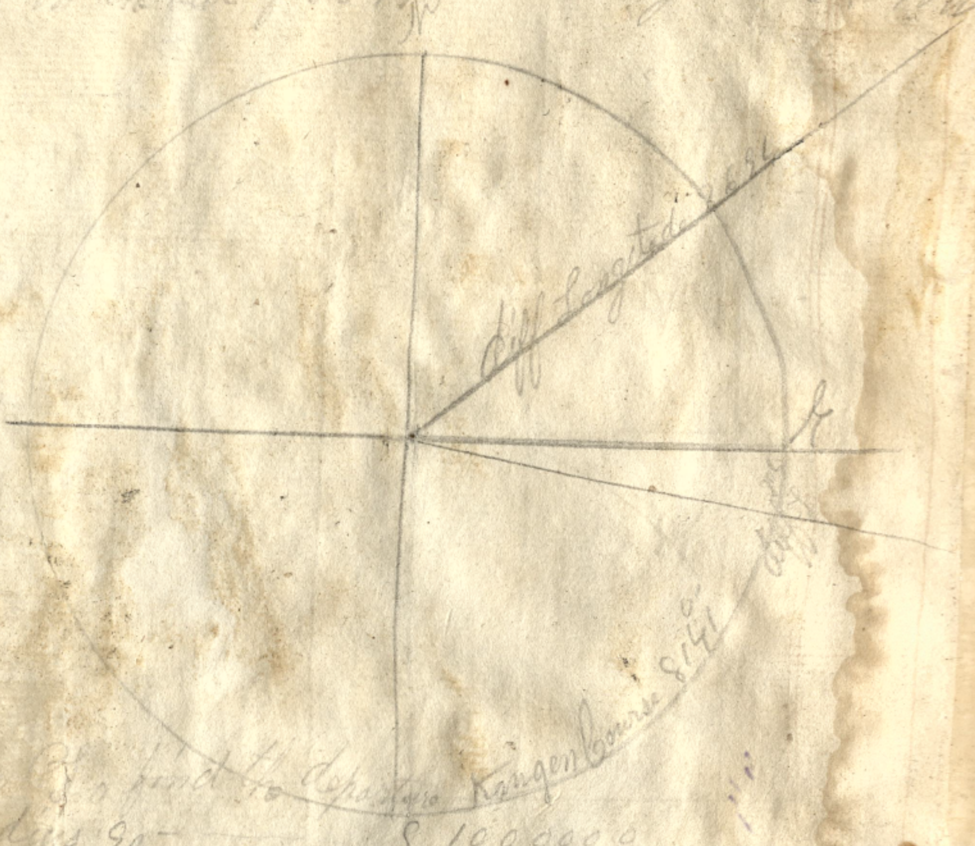
	dist	N	S	E	W
S 4	23		21.2	0,8,6	
S 6 W	99		98,3		11,6
S W	53		37,5		37,5
S 1 E	43		42,2	0,8,4	
			139,2	1,2	4,9

69) 139 | 43 41
170 | 2 19
19 | 41 22
2) 85 59
47 31 Middle Lat

1 9 diff
Long 6 44
18
20 2

Joined Ship Ellen Southard Sept 16 1868 [illegible]
As Second Mate [illegible] as Mate

Require the distance and bearing between Cape Cod Light house in the Lat of 42 3 N Longitude 70 4 W and the Island of St Marys one of the western Islands in the Lat of 36 59 N and Longitude 25 [illegible] W



To find the departure

As Radius 90 — 10,00000
is to diff Longitude 2684 — 3,43040
so is Cosine Middle Lat 3931 — 9,88730
is to the departure 2078 — 3,31770

As diff Lat 304 — 2,48287
is to Radius 4[illegible] — 10,00000
so is the departure 2078 — 3,31765
to Tangent of Course 8129 — 10,82478

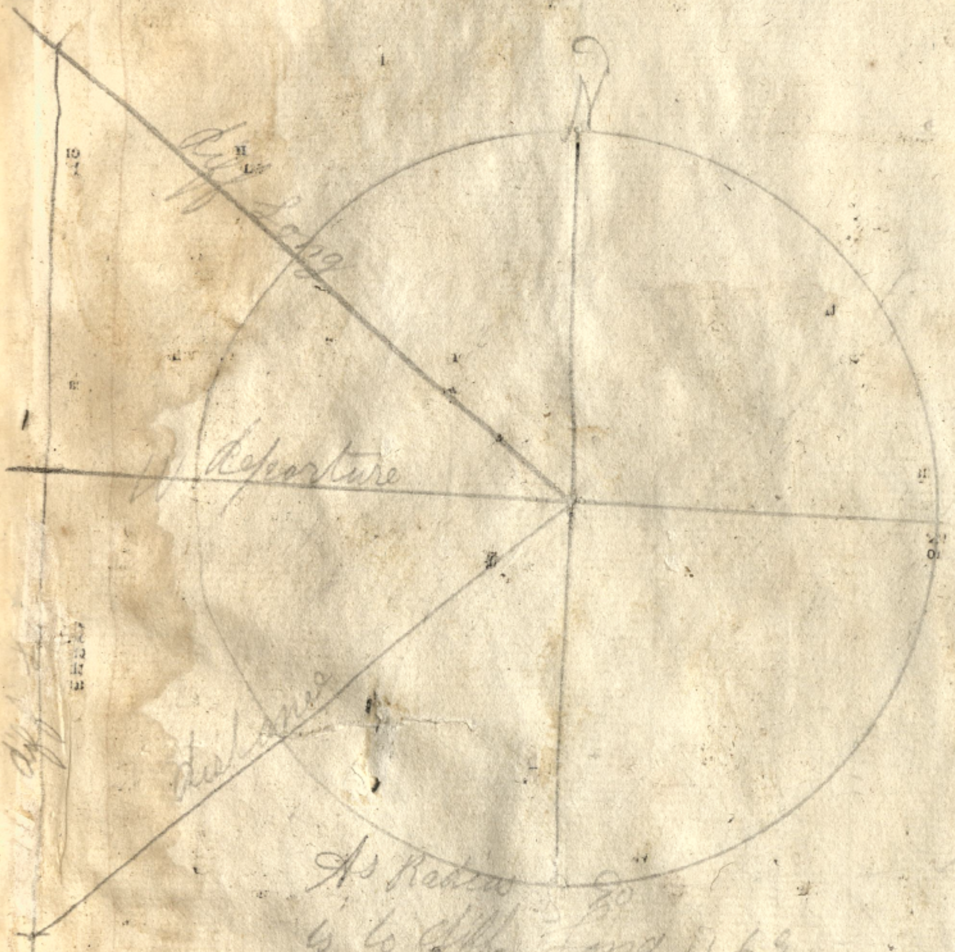
As Radius 90 — 10,00000
is to the diff of Lat 304 — 2,48287
so is the secant of Course 8141 — 10,83970
So the distance 2102 — 3,32257

the Course may be found without the departure by Second Middle Lat Sailing

As the diff of Lat 304 — 2,48287
is to the diff of Longitude — 3,43040
so is the Cosine Middle Lat — 9,88730
— 13,31770
— 2,48287
to Tangent of Course 8141 — 10,83480

Lat Cape Cod 42 3
Lat St Mary 36 59
2684 Miles Longitude of St Mary
To find distance and Course

Required the Course dist from the South Shoale of Nantucket in Lat of 41 01 N and Longitude of 69 54 and Cape Henry in Lat of 36 57 N and Long of 76 08 W



As Radius 90 — 10,00000
is to diff Long 369 — 2,56703
so is Cosine Middle Lat 3859 — 9,89504
is to the departure 289 — 2,46207

to find Course

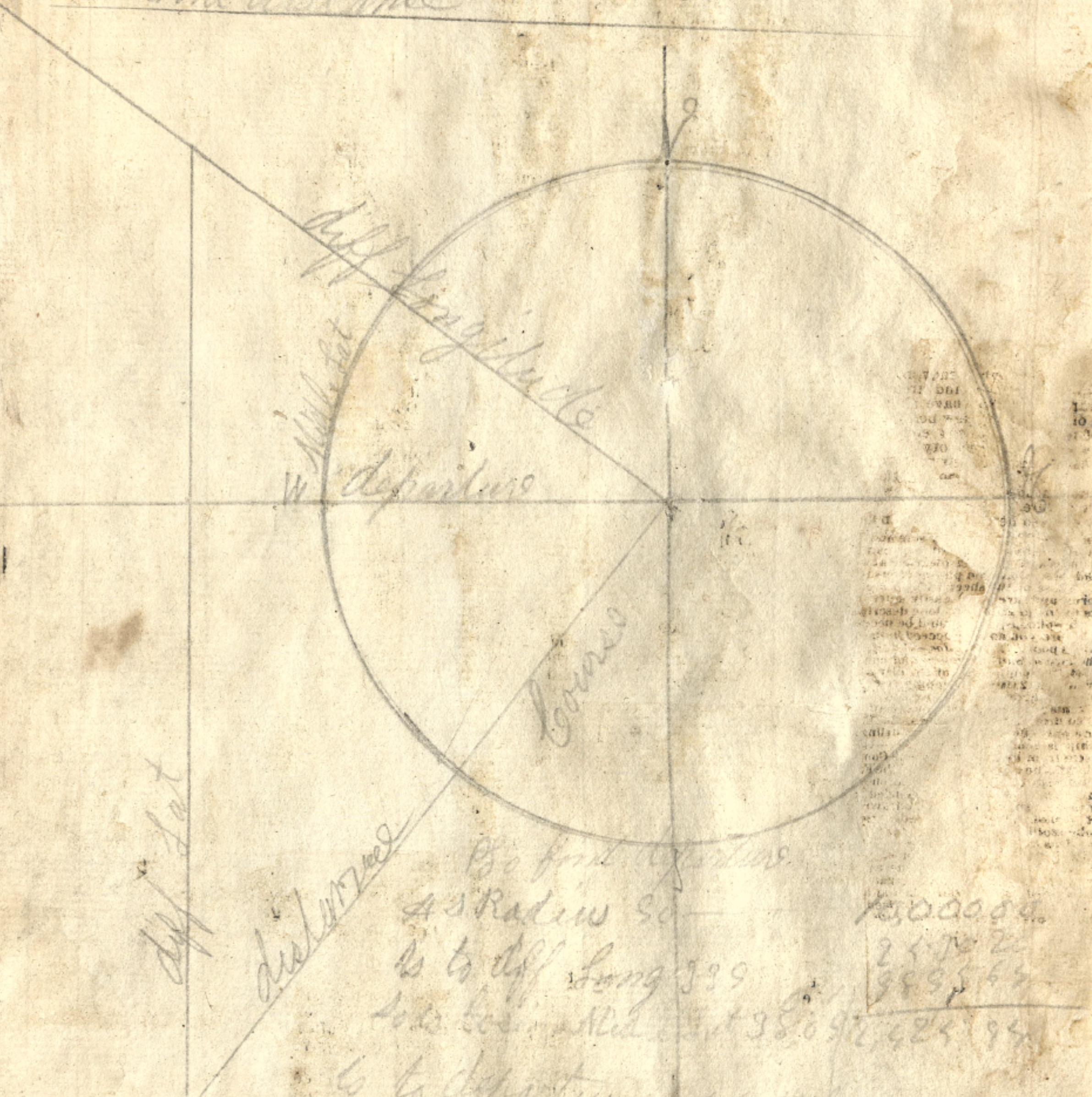
As diff Lat 249 — 2,39620
is to Radius 90 — 10,00000
so is departure 289 — 2,46090
to tangent of Course 4941 — 10,06470

To find distance

As Radius 90 — 10,00000
is to diff Lat 249 — 2,39620
so is secant of Course 4941 — 10,18520
— 2,58140

is to distance 381 Miles

Required the Course and distance from the South Shore of Nantucket
Lat 41° 04' N and Longitude of 69° 51' W
to Cape Hatteras Lat of 35° 15' N
Long of 75° 30' W, find the true Course
and distance



To find departure
As Radius 90 | 10,00000
Is to diff Long 339 | 2,53022
So is Cosine Mid lat 38° 09' | 9,89564
to departure 266 Miles | 2,42586

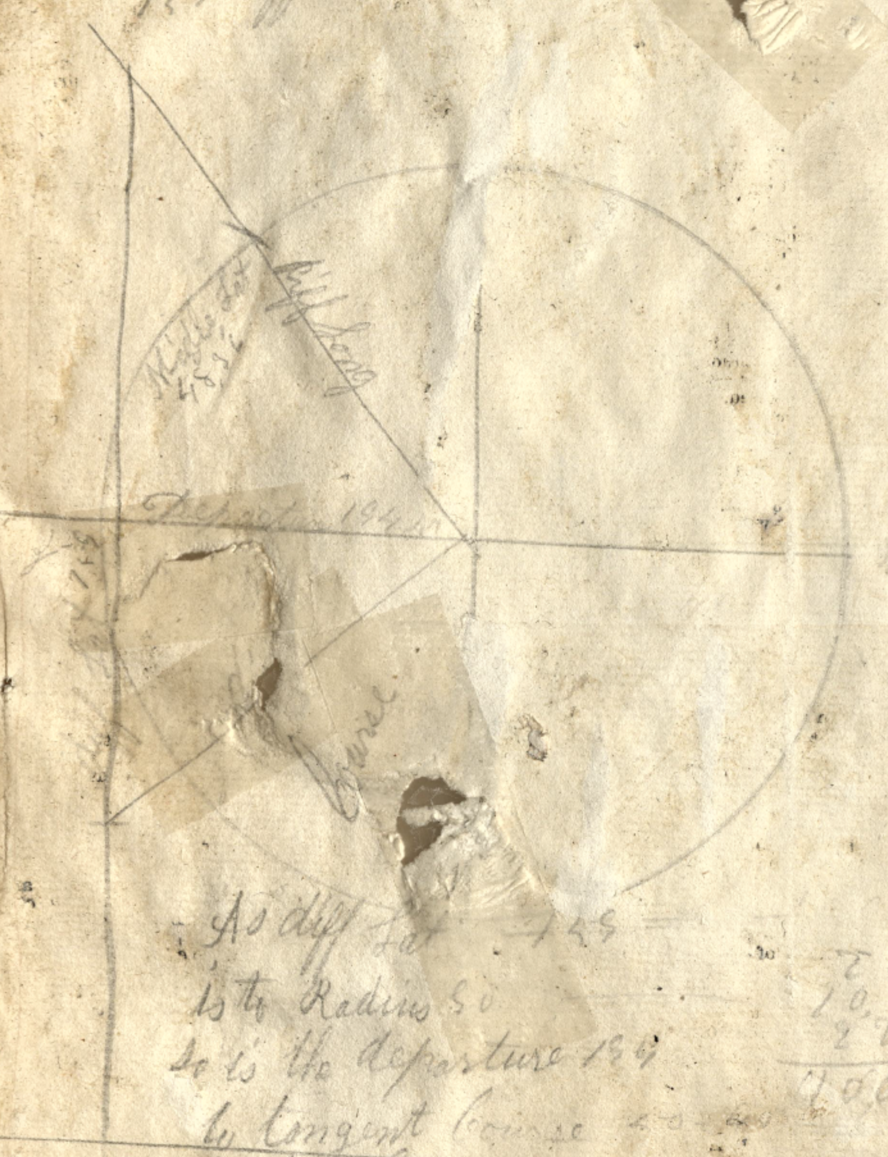
To find the tangent Course
As diff Lat 349 Miles | 2,54283
Is to Radius 45 | 10,00000
So to departure 266 | 2,42488
to tangent of Course 37° 14' | 9,88205

To find the distance
As Radius 90 | 10,00000
Is to diff Lat 349 | 2,54283
So is the secant of Course 37 15 | 10,09947
to the distance 438 Miles | 2,64230

A Ship in Lat of 49° 57' N and Long of 15° 5'
Sails S westerly till her departure is 194 miles
and Lat is 47° 18' N Require Course distance
and Long in

Lat 49 57
47 18
2 39
60
159 diff Lat 159 Miles

Lat 49 57
47 18
97 15 sum of two Lat
48 38 Midle Lat



As diff Lat 159 | 2,20140
Is to Radius 90 | 10,00000
So is the departure 194 | 2,28780
to tangent Course 50° 40' | 10,08640

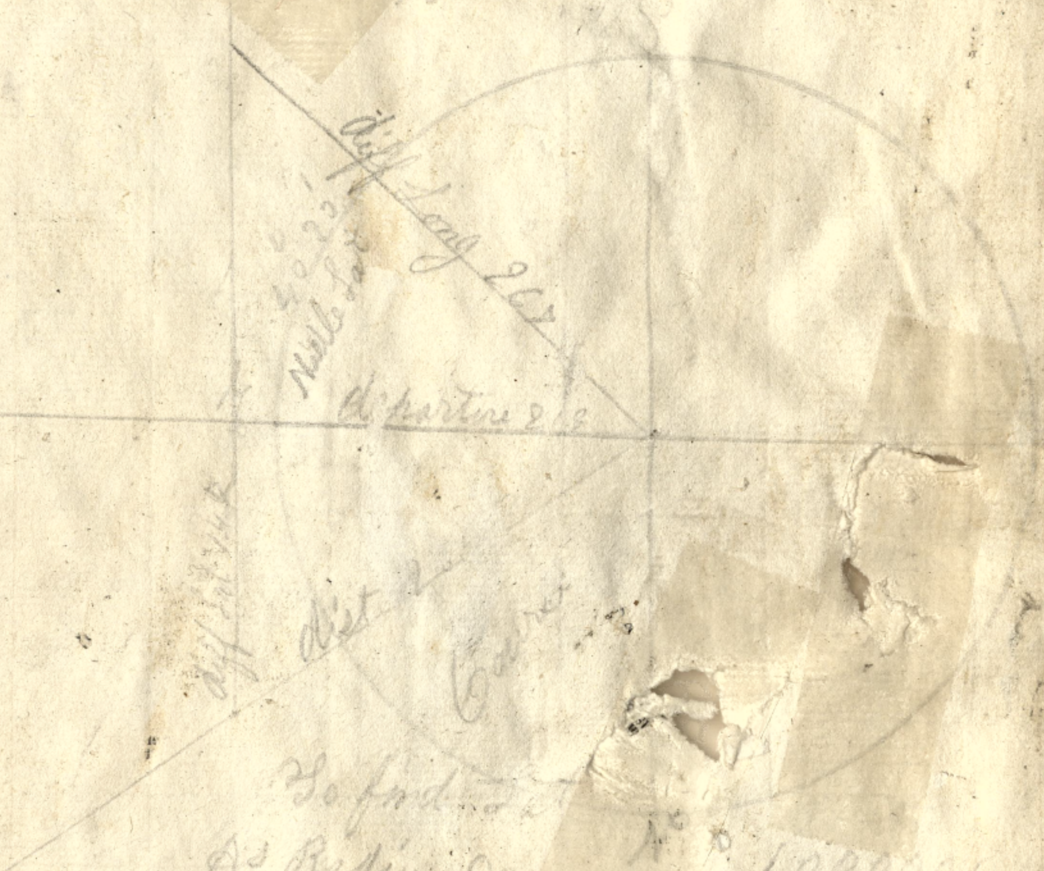
As Sine Course 50 40 | 9,88824
Is to departure 194 | 2,28780
So is Radius 90 | 10,00000
to the distance 250 | 2,39956

To find the diff Long
As Cosine Midle 48° 38' | 9,82012
Is to departure 194 | 2,28780
So is Radius 90 | 10,00000
to diff Long 294 | 2,46767

Ship Nonsuch of Com Bay
Ship Ocean Septre of Wiscasset

Required the Lat and Long from
Cape Cod in Lat of 42° 03′ N and Long
of 70-04 W Sails S ½ E 266 Miles what
Lat and Long She in

42° - 03 N diff Lat
3 - 27
9 - 36 60
42 - 00 38
81 - 39
40 - 33



To find

As Radius 90 — 10,00000
is to dist 266 — 2,42
So is Cosine Course 5 Point — 9,7448
— 2,16962
93,41

As Radius 90 — 10,00000
is to departure 266 — 2,42
So is the Sine Course 1 Point — 9,91
— 2,34
to depart 221

To find the Long 0 1 — 9,90838
As Cosine Middle Lat 35 — 2,34439
is to departure 221 — 10,00000
So is Radius 90
— 2,43607

is to diff Long 273

Suppose A Ship Sailing from a Place
in Lat of 49° 57′ N and Long of 38 W Makes
A Course good of S 39° W and then by Observation
is in Lat of 47° 44′ N require the distance Run
and the Longitude In

Lat from 49° 57′ N 49 57
Lat of Obs 47 44 47 44
2 13 97 41 sum
60 48 51 Middle Lat
133 diff Lat

To find the departure

As Radius 90 — 10,00000
is to diff Lat 133 — 2,12385
So is Tangent Course 39 — 9,90837
— 2,03228
is to the departure 107.7

To find the distance

As Cosine of the Course 39 — 9,90837
is to diff Lat 133 — 2,12385
So is Radius 90 — 10,00000
— 2,23385
to the dist 171

To find the diff Long by the departure
As Cosine Middle Lat — 9,81825
is to the departure 107.7 — 2,03223
So is Radius 90 — 10,00000
— 2,21397
to diff Long 163.7

The diff of Long May be found without
the departure by the Middle Lat Sailing
As Cosine Middle Lat 48 51 — 9,81826
is to tangent of Course 39 — 9,90837
So is diff Lat 133 — 2,12385
is to diff Long 163.7 — 2,21387

Suppose A Ship Sails 300 Miles North westly from A Place in the Lat of 37°,00' N and the Long of 38°16' W untill She is in the Lat of 41°,00' N Required her Course and Long in

Lat Left 37-00 N   Long 32,16 W
Lat in 41,00 N
4-00
60
240 diff Lat

37,00 N
41,00
78,00 sum of Lat
39,00 Midle Lat

As distance 300 — 2,47712
is to Radius 90 — 10,00000
so is diff Lat 240 — 2,38021
9,90309
is to Cosine Course 36,52

To find the departure
As Radius 90 — 10,00000
is to dist 300 — 2,47712
so is the Sine Course 36,52 — 9,77812
2,25524
is to the departure 180,0 Miles

To find the diff Long by the departure
As Cosine Midle Lat 39 — 9,89050
is to the departure 180,0 — 2,25527
so is Radius 90 — 10,00000
2,36474
is to diff Long 231,6

60)232(3-52 diff Long
180
52

32,16 Long Left
3,52 diff Long
36,8 Long in

Ship Thompson of St Johns N B Fine Ship for the Cotton Trade

A Ship in the Lat of 50°,10' S and Long 30,00 E Sails E S E untill her departure is 160 Miles Required her distance Sailed and Lat and Long in

To find the diff Lat
As Radius — 10,00000
is to departure 160 — 2,20412
so is Cotangent Course 6 — 9,61722
1,82134
is to diff Lat 66,3

60)67(1-7 diff Lat
60
7

Lat Left 50-10 S
1 7
51 17
101 27 sum of two Lat
50 43 Midle Lat

To find the dist
As Sine Course 6 Points — 9,96562
is to departure 160 — 2,20412
so is Radius 90 — 10,00000
is to dist 173,2 — 2,23850

To find the diff Long
As Cosine Midle Lat 50-43 — 9,80151
is to the departure 160 — 2,20412
so is Radius — 10,00000
2,40261
is to diff Long 252,7

60)253(4-13
240
13

30-00 Long Left
4-13 diff Long
34-13 Long in

Look in the Lat Column for Departure and in distance Column for Long

A Ship from Tegwin in Lat of 43°41' N and Long of 69 44 W Sails S S E 77 Miles S b W 36 Miles S E 30 South 20 Miles What Lat and Long is She in

Courses	Dist	N	S	E	W
S S E	77		71 7	29 5	
S b W	36		35 3		7 0
S E	30		21 2	21 2	
South	20		20		

60 149 2-29
120
29

Lat 148 6 { 50 7 07 0
07 0
60 43 7 departure

43-41 Lat Left
2 29 diff Lat
41 12 Lat in
85-3 sum of two Latitudes
42-31 Midle Lat

430
420
10 7

7-17

Long 69 42 W
60 Long in
68 44 diff Long

Course S 16 degrees E
dist 154 Miles

Required the direct Course and distance from A Place on the Lat 36 55 S and Long 20 50 E to another Place in the Lat of 32 38 S and Long 8 54 W

Lat 36 55 N
32 38
4 17 diff Lat
60
257 Miles

Long 20 50 E
8 54 W
28 54
60
1734

36 55 N
32 38
69 33
34 46 Midle Lat

To find the departure

As Radius 90 10 00000
is to diff Long 1734 9 23905
so is the Cosine Midle Lat 34 46 9 91460
to the departure 142 2 9 15365

Required the bearing and distance from Montauk Point in Lat of 41-04 N and Long of 71 47 W and Cape Henry in Lat of 36 55 N and Long of 76 00 W

Lat 41 04
36 55
4 9 diff
60
249 Lat diff

76 00
71 47
4 13
60
253 Long diff

41 04
36 55
77 59 sum of two Lat
38 59 Midle Lat

193 5 for departure

Lat 249 Course 38 degrees W

dist 316

To find Tangent Course
As diff of Lat 256 — 2 40824
is to Radius 90 10 00000
So is the departure 142 2 15351
Tangent Course 79 48 degrees West 7 4527

To find distance
As Radius 90 10 00000
is to diff Lat 256 2 40824
So is Secant of Course 79 46 9 75182
to distance 1446 Miles 2 16006

Patrick Morris Patrick Morris
Patrick Morris
Liverpool
Eng
James W Mustard
Geor Berkford

Both Latitude and Course Given to find the distance and diff of Long Suppose A Ship Sailing from A Place in the Lat of 45 57 N and Long of 80 01 W Makes a Course Good of S 38 [illegible] and then by Observation [illegible] Required the [illegible]

Lat Left 49 57
Lat by Observation 47 44
2 13
60
diff Lat 133
Sum of Lat 97 41 N
Middle Lat 48 50

To find the departure
As Radius 90 10,000 0 0
is to diff Lat 133 2,123 85
So is tangent Course 38 9,908 87
2,03,2 2 2
is to departure 107 7

To find [illegible]
As Cosine of [illegible] 38 9,8 9 0 5 0
is to diff Lat [illegible] 2 1 2 3 8 5
So is Radius [illegible] 1 0 0 0 0 0 0
2,2 3 3 3 5
is to dist 171

To find diff [illegible]
A Cosine Middle Lat 48 5[illegible] 9,8 1 8 2 5
is to departure 10 7 2 0 8 2 2 2
So is Radius 90 1 0 0 0 0 0 0
2,2 1 8 5 7
is to diff Long 163 7

60) 1 6 4 (2-44 diff Long 0 01 W
120
44
Left 80 01
2 44
82 45 W Long in

Both Latitudes and distance Given to find the Course departure and diff of Long
Suppose A Ship Sails 300 Miles N westly from a Place in the Lat of 43 01 N and Long 32 16 W untill she is in the Lat 47 01 N Required her Course and Longitude

To find the Course
As dist 300 2,4 7 7 1 2
is to Radius 90 10,0 0 0 0 0 0
So is diff Lat 240 2,3 8 0 2 1
9,9 0 3 0 9
to Cosine Course 36 52

To find the departure
1 0 0 0 0 0 0
As Radius 90 2 4 7 7 1 2
is to the dist 300 9 7 7 8 1 2
So is the sine Course 36 52 2,2 5 5 2 4
is to the departure 180 0

To find the diff Long by the departure
As Cosine Middle Lat 39 0 9,8 9 0 5 0
is to departure 180 0 2,2 5 5 2 7
So is Radius 90 1 0 0 0 0 0 0
2,3 6 4 7 7
to diff Long 231 6

60) 2 3 2 (3 52 diff
180
52
32 16 W Long
3 52
Longitude 36 08

111

111

Require the Bearing and distance between two
Places wone in the Lat of 37-55 N and Long 5 43
the Other in the Lat of 32-38 N and Long 7-45

37 - 55 N   37 - 55
32 - 38 N   32 - 38
5 - 17   2)70 - 33
60   35 - 16 Midle Lat
317 diff Lat

37 -
60
Long 2 2 5 8

As Radius 90   10000000
is to diff Long 228   3 34988
So is the Cosine Midle Lat 35-16   9 91194
is to the departure 1827   3,26783

As diff Lat 317 —   2,50106
is to Radius 90 —   10000000
So is the departure 1827   3 26174
    12 76068
is the tangent of Course S 80 degrees
And N 80 degrees W

So find the distance

As Radius 90   10000000
is to diff Lat 317   2 50106
So is the secant   10 78680
    3 26788
is to distance 1864

A Ship in the Lat 37 30 S and
Long Sails N 79 degrees W 280
Required the Lat and Long in
S Sails N 79 degrees W
36 55 diff Lat So find the diff Lat
As Radius 90   10000000
is to distance 280   2 40815
So is Cosine Course 79   9 24253
is the diff Lat 53   1,54788
    55
    36 55
diff Lat 36   37 13 Midle Lat

Ship
As Radius 90   10000000
is to dist 280   2 44715
So is the Sine Course 79   9 99196
is to the departure 198   2,29861

So find diff Long
As Cosine Midle Lat 35 14   9 90283
is to departure 198   3 29863
As to Radius 90   10000000
is to the diff Long 2449   3,38581
    60   1 6
    240 (4-9   60 - 00
    4 - 8 W
    diff 5 - 51 Long

A Ship in the Lat of 49-57 N and Long of
1 she Sails South westerly till her departure
is 789 Miles and Lat in 39 20 N Required
the Course distance and Long in

Lat 49 57 N   49 57 Lat left
39 20   39 20 Lat in
10 - 37 diff Lat   89 17 sum of Latitudes
60   44 38 Midle Lat
637 Miles
So find the tangent Course
As diff Lat 637   2 80414
is to Radius 90   10000000
So is departure 789   2 89708
is the tangent Course South 51 05 West   10 09294

So find the distance
As diff Lat 637   2 80414
is to Cosine Course 51 05   9 79803
So is Radius 90   10 000000
    3,00605
is to the distance 1013 Miles

So find the diff Long Ship

Ans Cosine Middle Lat 42 38 98 11 [illegible]
is true Lat 6 37 20 04

So to Radius 90 10 0
So is dep Long 58 8 23 [illegible]

Long diff 15
9.84 (1° 24 [illegible]
60 31 - 40
[illegible]
120
[illegible]

Ans A Ship from Cape Cod in Lat of 41 [illegible] N and Long of 70 04 W sails E N E 20 Miles [illegible] Miles [illegible] 9 Miles S E 36 Miles what Lat and Long is She in

Course	N	S	E	W
E b N 29.0	18.5	—	0.77	
77	2.5.5		9.1.1	
			8.5.0	
		7.5.5	2.5.5	
	4.4.9	7.5.5	7.8.7	

9.1.5
18.5
for Course N 76 E
Lat 42 50 N
3 45
diff Lat
Sum of two Lat
for Middle Lat
102 for Long
[illegible]
70 04 W
1 42 W
68 22 for Long
Course N 76 [illegible]
[illegible] Middle Lat 42 [illegible]
diff Long — 68.22 W

Ans A Ship from [illegible] Lat [illegible] and Long of 69 40 [illegible] sails S by [illegible] [illegible] S S W 40 Miles S by W 36 Miles [illegible] Miles what Lat and Long is she in

Course	Dist	N	S	E	W
S b E	29		28.4	15.4	
S S W	40		37.0		
S by W	36		35.3		0.79
S E	20		14.1		

A Ship from [illegible] Lat of 40 [illegible] Long of 71 45 W Sails S E [illegible] 46 M S E by S 26 M S by W 27 Miles Required the Lat and Long [illegible]

Course	Dist	N	S	E	W
S E	[illegible]		22.0	14.9	
S E	45		31.8	31.8	
S E b S	26		21.6	14.4	
S b W			28.4		0.57
			118.0	61.1	0.57

0.57
55.4 for departure
118 (1 - 58
60
58
Lat 40 [illegible]
1 [illegible]
38 - 10
diff Long
71 77.0 Sum of two Lat
[illegible] Middle
Diff 71 [illegible]
71 79 - 43 W Course S 35 degrees W
[illegible] 77
dist 131
Long [illegible] 93

Ship Race of the Sea Horse Commander

[illegible] from Lat of 35–36 N

[illegible] Sails N by E 43 M

[illegible] 26 [illegible] E by N 36 Miles N by E 20 M

[illegible] Lat and Long

		N	S	E	W
N [illegible]		22,2		08,4	
NE by N		41,6		27,8	
E by N	6	07,0		35,3	
N 6 1/4 6	20	46,6		11,1	
		117,4		82,6	

dist 1[illegible] 5 M
Course N
37 degrees
E

6 1
35 9 6 N
1 48 N
37 9 6
37 78
36 35 for Mid Lat

for diff Long – 103

60) 103
1–43

75–26 W Lgt
1–43 diff Long
73–02 Long in

Mercators Sailing

A Ship from the Lat of 43,57 N and Long of 36,00 W Sails S 39 degrees [illegible] till she arrives in the Lat of 47,44 N Required the Long in and distance Run

Lat 43 57 3470
Lat 47 44 3278
3–13 2?7 Meridional diff Lat
60
diff Lat 133

As Cosine Course 39 — 9,85050
is to Radius — 10,00000
so is diff Lat — 2,12385
to the dist 171 — 2,2333[illegible]

Mercators Sailing

A Ship in the Lat [illegible] and Long of 58,51 W Sails S W by S 300 Miles Required the Lat and Long in

To find the [illegible] diff Lat

As Radius 90 — 10,00000
is to the dist — 2,47712
so is Cosine Course — 9,91985
to Proper diff Lat — 2,39697

60) 249 (4–9 Lat [illegible] diff Lat
4 3 – 21 Lat in

47 30
4 9
43 21

[illegible] Meridional diff Lat

To find the diff Long

As Radius 90 — 10,00000
is to Meridional diff Lat — [illegible]
so is Tangent Course 6 — [illegible]
to diff Long 218

60) 218 (3–38 diff Long
58 51
3 38
62 30 Long

To find the diff Long

As Radius 90 — 10,00000
is to Meridional diff Lat 202 — 2,30535
so is Tangent Course — [illegible]
to diff Long 1136 — 3,41772
3 00
6–44
[illegible] Long in

Ship Cynthia Fifty Nine Commenced

2 24 30 S the Sun bearing
South
21 42 25

2° 24 30

[illegible]
2 24 - 20

17 09 - 30
21 - 47 - 23

38 56 53

K B

K K

K K

W

Winds R Remarks

Remarks

R on Board Ship Sat Se

---

from Bath To Barbadoes

Ship Ocean Septer S P Alin Master

Hours	H	K	Courses	Winds	Lee way	Remarks on Board Feb 10
2						First Part of the 24 Hours
4						Commences with fresh breses and
6						fine wether at 8 A M got
8						under way at Bath at 11 A M
10						Past the S Fort at 12 Noon
12						Passed Seguin
2						
4						
6						
8						
10						
12						

Ship Champion of the Seas Mustard
O S P Commander

Course	Dist	D. Lat	Dep	Lat by D.R.	Lat by Obs	D. Long	Long in by D.R.	Long in by ☉☾	Long in by Chron Time

Hours	H	K	Courses	Winds	Lee way	Remarks on Board Feb 11
2						First Part of this day
4						Commenses with
6						fresh Breezes and fine
8	6		S by E	N W		wether all Sail set at
10	6					4 P M vautical time Seguin
12	6			N N W		Bore N N E dist 11 Miles
2	6		S S E			from which I take my
4	7					departure in the Lat of
6	7					43° 41 N and Long 69° 44 W
8	7					Midle and Later Part fresh
10	7					Breezes and some Cloudy
12	7					Varition 3/4 of a Point W
	7					Lat by Observation

Course	Dist	D. Lat	Dep	Lat by D.R.	Lat by Obs	D. Long	Long in by D.R.	Long in by ☉☾	Long in by Chron Time
S 25° E	127	S 116,6	E 52,9	41 46 N		E 71 Miles	W 68,32		

45

Ship St Joseuph Capt Alisander
Cr by 4 lbs Soap and wone
Sheath Knife

Journell of Ship Ellen Southard
From Liverpool Towards
Savannah

Remarks on Board

Feb 11. 68 Ocupied in Painting Ship
& Scraping Bright Work
Wind Fair I God will send us a fair
Wind at Ship Ellen Southard From
Liverpool Towards Savannah

S S E G

T G

Penmanship

Penmanship
Progress James W Mustard
Richmond
Maine

Ship Ocean Septer A Cr Master

Hours	K	HK	Courses	Winds	Lee way	Remarks on Board. Feb 12.
2	7		S S E	North		First Part of this 24 Hours
4	7					begins with fresh breezes and
6	7					some Cloody midle Part fresh
8	6					Gales and some Squally at 10
10	6					PM Handed top Galsails Lat
12	6					for Gales so Ends the Day
2	6					no Obswation this Day
4	6					
6	7		S S E ½ E	N N E		Varition ¾ of Point westly
8	7					
10	7					
12	7					

Mary E. Smith Ellen

Courses	Dist	D. Lat S	Dep E	Lat by D.R.	Lat by Obs	D. Long E	Long D.R. W	in	by Chron Time
S 35° E	158	132.5	85.8	39°.34'	" " " "	111	66°.42'	" " "	" " "

Hours	K	HK	Courses	Winds	Lee way	Remarks On Board Feb 13
2	7		S S E	NE		First Part of this 24 Hours
4	7					begins with hard Gales and
6	7					Rain
8	4		S by E	E by S	1	Midle and Later Part
10	4					heavy Gales and Rain
12	4					
2	3	1	South	E S E	1½	So ends the Day
4	3	1				No Obswation
6	3	1				Varition ¾ of A Point W
8	3	1				
10	3	1				
12						

Courses	dist	D. Lat S	Dep E	Lat by D.R.	Lat at by Obs	D Long E	Long D R W	in	by Chron Time
S 25° E	110	99,3	13,2	38,°5		25	66-17		

24=41
72
24=59
33=22
103=28
161=49
80=54
24=59
55=55

90=00
13=28
103=28

07823
07211
19909
991819
1920762
960381

33=22

8=50=32

70=49=18
46=25
71=02=53
8=54=26
7=08=27

60
8=50=32
8=54
=38
8=54=26

Ship Ocean Specter Allen Master

& Long

Hours	H	1K	Courses	Winds	Lee way
2	3		South	N E	2
4	3		S S W	S E	2
6	3				
8	3				6
10	up	S S W			
12	off	S W			
2	1½	Knots	drift		
4					
6					
8					
10					

Remarks On Board Feb 14
First Part of this 24 Hours
begins with hard gales
and Rain at 10 A M hove
too under a Close reeft
Maintopsal and Mizen Stasle

All this day Heavy
Gales and Rain
No Obsivation this day.
Varition 2/4 Point Westly

Courses	dist	D Lat	Dep	Lat At by	Lat by	D Long	Long	in by
		S	E	D R N	Ob	W	D R	Chron Time
S 51° E	40	21,2	31,8	35,13		41	67,28	

Hours	H	1K	Courses	Winds	Lee way
2	3	1	S E by E	S by W	1
4	3	1			
6	3	1			
8	4		S E by S	S W by S	1
10	4				
12	4				
2	4		S S E	west	6
4	4				
6	5				
8	6				
10	6				
12	6				

Remarks On Board Feb 1
First Part of this 24 Hours
begins with more mollerate
wether a 12 Noon hove Ship
tore to Estward and
made Sail
midle and Later Part
fresh breezes
Lat Obs
Varition 1/2 Point Westly

Courses	dist	D Lat	Dep	Lat at by	Lat by	D Long	Long by	in by
		S	E	D R N	O B	E	D R	Chron Time
S 30° E	108	88,8	54,8	37,40		70	66°,53'	

S Southard of Richmond
Ship Ellen Southard
Richmond B
Maine
A Mr Levi Mustard
Richmond
Southard Southard
Southern Rights
R R Rights
Rholerdam Hotterruit
~~Liverpool B Liverpool~~
~~B B~~
B A A
P Potland
AHH B

Ship Ocean Specter Allen Master

Hours	K	HK	Cours	Winds	Lee way	Remarks On Board Feb 16
2	6		S S E	West		First of this day Commences
4	6					with fresh breezes and
6	6					fine wether
8	7					midle part fresh Gales
10	7					and squally at 2 AM
12	7					Handed Top Galen Sails
2	7					
4	7			W N W		Latter Part fresh Gails
6	7					and Rain
8	7					
10	6	1				So ends the Day
12	6	1				No Obs
						Varition ½ P West

Course	dist	D Lat	Dep	Lat Dt by D R	Lat by Obs	D Long	Long by D R	in by
S S E ½ E	146	128,8	68,8	33 32		84	65 29	☉ Chron Time

Hours	K	HK	Courses	Winds	Lee Way	Remarks On Board Feb 17
2	6		S S E	West		Bermuda bore South 24
4	6					Degrees E dist 80 miles
6	6		S S E ½ E	N W		First of this day Commences
8	5	1				with fresh breezes at 2 PM
10	5	1				Set top G Sails
12	5					midle and Latter part
2	5		S E by E	N by W		fresh breezes and fine
4	5					wether So Ends the day
6	6					Lat by Obs
8	6					
10	6					Varition ½ West
12	6					

Courses	dist	D Lat	Depart	Dep by D R	Lat by D R	Lat by Obs	D Long by D R	Long by D R	in by
S 28 E	138	122,5	66,7	31,32		~~78~~	78	64,11	Cronometer Time

Woman's faith and womans Trust
Write the Charictors in dust stamp
them on the runing stream Print them
on the moons pale beam and each eva-
evonesent letter Shall be clearer firmer
fetter and more perminent I
ween than the thing those letters mean

11

I have strained the spiders thread
Gainst the promesse of a maid
I have weighed a Grain of sent
Gainst her plight of heart and hand
I told my true Love of the token
how her faith proved Light and
hear word was broken
again hear word and truth
she plight, and I beleave
them again ere night

---

from Bath to Barbadoes

Ship Ocean Spectre Allen Master

Hours	K	HK	Courses	Winds	Lee way	Remark On Baard Feb 18
2	6		S E y S ½ E	N N W		First of they day Commences with fresh breezes and fine wethes
4	6					
6	6					
8	7		S S E	N W		midle and Latter Part fresh Gales and Cloody
10	7					
12	7					So Ends the day
2	7	1				
4	7	1				Lat by Obs
6						
8	8					Varition ½ Point West
10	8					
12	8					

Course	Dist	D Lat	Dep	Lat at by D R	Lat by Obs	D Long	Longit by D R	in by
	170	S 148,1	E 82,3	N 28,04		E 94	W 62 26	Chromitter Time

Hours	K	HK	Courses	Winds	Lee way	Remarks On Baard Feb 19
2	8		S S ½ E	N N E		First of this day commences with fresh Gailes and Cloody
4	8					
6	8					
8	8		S S E	N E		
10	7	1				midle and Latter Part
12	7	1				more moderate Wether
2	7					
4	7					Lat by Obs
6	6					Varition ½ Point West
8	6					
10	5					
12	5					

Course	Dist	D Lat	Dep	Lat at by D R	Lat by Obs	D Long	Longit by D R	in by
S 30 E	149	S 129,9	E 74,8	25 55		E 84	W 61 02	Chron Time

Lead Line

1	Deep	
2	Leather	2. St
3	Leather	3. St
4	Deep	4
5	Mark	White Rag
6	Deep	6
7	Mark	Red Rag
8	Deep	8 –
9	Deep	9
10	Mark	leather with a hol
11	Deep	11
12	Deep	12
13	Mark	blue Rag 3 St Leather
14	Deep	14
15	Mark	white Rag
16	Deep	16
17	Mark	Red Rag
18	Deep	18
19	Deep	19
20	two	knots

Ship Ocean Spectre Allen Master

Hours	K	½K	Courses	Winds	Lee Way	Remark On Board Feb 20
2	5		SSE	NE		First part of this day
4	5					Commences with moderate
6	5					breezes and Some Cloudy
8	6		S by E ½ E			
10	6					Latter Part
12	6					fresher breezes ~~breezes~~
2	6	1		ENE		and Rain
4	6	1	S by E			
6	6	1				No Obs this day
8	7					Variation ½ Point West
10	7					
12	7					

Ship Ocean

Course	dist	D Lat	Dep	Lat at by D R	Lat by Obs	D Long	Long at by D R	in by
		S	E	N		E		
S 21 E	146	134,6	52,6	22,39		57	60,05	Chron Time

Hours	K	½K	Courses	Winds	Lee Way	Remarks On Board Feb 21
2	7		S by E	ENE		First Part of this day
4	7					Commences with fresh
6	7					Gales and Rain at 4
8	7					in the P M Saw A Ship
10	6		SSE			Sailing to the ~~A~~ Northward
12	6					Midle and Latter Part
2	6					more moderate
4	5					Lat by Obs
6	5					
8	4					Variation ½ Point W
10	4					
12	4					

Course	dist	D Lat	Dep	Lat at by D R	Lat by Obs	D Long	Long at by D R	at in by
		S	E	N		E	W	
S 24 E	136	124,2	54,0	20,35		58	59 07	Chronometer Time

R R R
R
R R
R
Rnt

Richmond Maine off Board
of Ship Ellen Southard
A Still Tongue makes a wise head
so says the Probert

Hours	K	½K	Courses	Winds	Lee way	Remarks On Board Feb 22
2	4		SSE	ENE		First of this day commences
4	4					with a moderate breeze
6	4					
8	4					
10	5		SE½S			all these 24 Hours
12	5					moderate breezes and
2	5					Cloody So Ends the day
4	5		SE			
6	6					No Obsivation
8	6					Varition ¼ Point W
10	6					
12	6					

Course	dist	D Lat	Depart	Lat at by	Lat by	D Long	Long at	in	by
		S	E	D R	Obs	E	D R W	⊙	Chron time
S3E	119	96,0	70,6	18,58		75	58,52		

Hours	K	½K	Courses	Winds	Lee way	Remarks On Board Feb 23
2	6		S½E	NE		First of this day commences
4	6					with ~~trade~~ fresh trade
6	6					Winds
8	6					
10	6	1				midle Part fresh Gales
12	6	1				Squaly with Rain
2	6		SSE			at 2 AM handed
4	7					Top Galent Sails
6	7					So Ends the day
8	7					Lat by Obs
10	7					Varition ¼ Point
12	7					

Course	dist	D Lat	Dep	Lat at by	Lat by	D Long	Long at	in	by
			E	D R N	Obs		D R W		Chron Time
S33E	156	130,7	85,6	16,49		90	56,22		

On Board Ship Ellen Southard
Liverpool July 13th 1867

Articles	£	S	D
1 Overcoat — —	3	oo	oo
1 pair of Pants — —	1	03	oo
4 Shirts — —	1	06	oo
6 pairs of Socks -	0	06	oo
8 Ladies Neckties -	0	8	oo
1 pair of Boots —	1	4	oo
2 " of " Repaired	0	6	oo
2 Bilow Cases —	0	2	oo

Ship Ellen Southard Allisonder Commander July 13th 1867

E. E. J.
May 1878

Ship S Ocean Septre Allen Master

Hours	K	HK	Courses	Winds	Leeway	Remarks On Board Feb 24
2	7			NNE	1	First of this day commences
4	7					with fresh Gails and Rain
6	7					
8	7					
10	6		S by E½E			midle Parp fresh Gals
12	6					Squally with Rain
2	5					Latter part fresh
4	5					trade winds and fine
6	4					wether
8	4					Lat by Obs Varition
10	4					¼ Point W
12	4					

Course	dist	D Lat	Dept	Lat in by DR	Lat by OB	D Long	Long by DR	at by Chrom time
S46	134	S 122,7	E 53,7	N 14,47		56	W 55,26	

Hours	K	HK	Courses	Winds	Leeway	Remarks On Board Feb 25
2	4		S by E	E by S		First of this day commen
4	4					with fresh trade winds
6	4					and fine wether at
8	4					12 midnight Squalld
10	4			E by S		away for the island
12	4					
2	5		West			all this 24 Hours
4	5					moderate wetherate
6	5					and fine wether
8	5					Lat by Obs
10	5					Varition None
12	5					

Course	dist	D Lat	Dept	Lat in by DR	Lat by OB	D Long	Long by DR	at by Chrom time
S 51 W	77	S 48	W 60	N 13,59		Wo 62	W 56,28	

On Board, Ship St Joseph
Dec the 12 in Lat of 6, 6 A
Sailed the 24 of May from
New York yestody we had
some Rain for the first
time sinse we left Cape horn
20 Days from Callio

L. M

Bowdoinham M

Me.

L.R.RoSS

L.R.RoSS

LiT

L R

Me.

L.R.RoSS

L R L

Bowdoinham. Me.

Remarks on Board May 28
First part of this day
Commences with fresh
breeze and litte inclined
to Rain

Midle part fresh Gales
and squally

No Obswation
this day

Belong

to

T W Mustard

1866

P Mr Levi Mustard
M Mr Levi St

Joined Ship March 16th 1868

James Mustard

April 4 Recd $4,00

Received Apr 13 $40,00

Ship Ellen Southard Bickford Master on the Passage From Savannah to Liverpool

Written this Day of Our Lord May 12 1868

Received From Capt Bickford at diffrent times $46,50

Ship Ellen Southard Bickford Master

Hours	K	1/2 K	Courses	Winds	Lee Way	Remarks on Board
						May 1 First part of this Day Commences with a Light Breeze Ships Pocahontus and Mayflower left for Liverpool to Day So ends the Day

Course			Dist	D Lat	Lat at by D R	Lat at by O B	D Long

Hours	K	1/2 K	Course	Winds	Lee Way	s on Board
						May the 2 First part of this Day fine breeze from the Southard and Esterd we took 1157 Mules of Cotton this Day So Ends the day

Course			Dist	D Lat	Lat at by D R	Lat at by O B	D Long	Long at by D R	Lt by Chrono time

Ship Ellen Southard Bikford Master

Hours	½ K	K	Courses	Winds	Lee Way	Remarks on Board May
			Distence 8 Miles	N N E		May 9 1868 ~~Sailed~~ Cleared from Savannah this Day Tiby Light bea N W from whence I take my departar put the Chains below this day chose water at 6 o'cloak have got Vandike in my watch the Wind is about N N E Braced Sharp up So Ends the Day

Hours	K	½K				

Hours	K	½K	Courses	Winds	Lee Way	Remarks On Board Ship May 10
	This is a pleasent Sabeth Morning no sound of Church Bells greet your Ears			E N E		First part of this Day commences with Light breezes and fine wether Latter part Light breezes and Curnes at 8 PM took in three Royals

Ship Ellen Southard Bikford Master Remarks On Board Ship May 11

First part of this day commences with a dead calm at 12 A M took Starboard Anchor in on the Bow wore Ship Stood off on the Starboard Tack at 8 P M Saw A Sail to Leward A Sail is in Sight I can just see her as I write She is a fore an after

~~Migh~~ Midnight. First Part of these Four Hours commences with Fresh Breezes at 11 P M Tacted Ship ~~w~~ at Seven Bells took in the Main Togallon Stasle I now retire to my virtuous

So Ends the Day

Midnight at Sea

May 11, 1868

Ship Ellen Southard
Bickford Master May 4th 18

First part of this Day commences with Fresh breez and Squally at 8 A M took in the three Topgallant sails Reefed the Mizen Topsail so Ends these Four Hours at 4 A M discearned a Sail to Leward at 6 A M Saw a vessail to Leward bearing N N W these Four Hours Ends with A Heavy breeze

Latter part these First Four Hours Fresh Gailes and Rain at 2 P M vessail passed us to Leward could not discern at half past 3 P M Wind Shifted from S S E to S W checked in the yards and set the Forsail

At 8 P M
First part of these Four Hours commences with light breezes and Moderate wether at 7.30 P M set the Fore and Maine Topsails at 6.30 P M discearned a Sail to windward She is coming upon us fast so ends the day

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On the voyage from Savannaah to Liverpool

Ship Ellen Southard
Bickford Master May 13th

First part of this day commences with Fresh Breezes and pleasent wether this day wone Degree to the North of Cape Hatteras it is a pleasent Day at Sea Course N E by E Wind S S W no Sails in Sight this Day

At 6 P M these last two Hours Fresh Gales at Split Fore Topsail and at 8.30 P M Sent it down So Ends these these Four Hours Course N E by E Squally and Rainey

Midnight

First part of these Four Commences with Fresh breezes and Squally at 10 P M Lowed down the Fore and Maine Topsails

So Ends the Day

12

Ship Armaletto is in Port my Old Ship

1 Degree to the north of Cape Hatteras Wensday PM

Ship Ellen Southard Bickford
Master May 14th 1868

First part of this Day commences with Fresh Breezes and Fine Wether at 5.. AM Set the Maine Degallon Saills at 5.30 AM Set the Fore and Mizen Degallonsails & Crotchie at 6 AM Saw A Sail To Windard Wind Still continues Fair

Course NE by E

12. PM

First part of these Four Hours commen With Carmy wether at 3.30 Checked in the yards, 4 PM So Ends these Four Hours

Evening 8 PM

we are still haveing a Free Wind Midnight

At 12 PM called out to take in Sail three Forpsail and Forsail so Ends these Four Hours

Ship Ellen Southard
Bickford Master at Sea
May 15 1868
First part of these Four
Hours commences
with Fresh Breezes and
Fine Wether all Sail Set
So ends these Four Hours
Midnight 8 P M these
Four Hours commences
with Carmy wether at 8.30
Braced up the Head Yards
11.30 Hauled up the Courses
So Ends these Four Hours
at 10.30 P M Saw a Light
Of the Lee Beam On the
same Tack with us

Ship Ellen Southard 1868
Bickford Master May 16th
Saturday
☞ at 4 A M First part of
of these Four Hours
commences with Carmy
wether the Sails Hangs
Lifeless at the Masts at 4.30 A
Canted the yards & Halled
Out the Spranker at 6 A M
Three Sails in Sight at 6.30 A M
☞ Set the Mizen Degallon sails
Six Men in my watch and
only two can Stear this afternoon
all men that cannot take his
Trick at the Wheel has no watch
Below I Finish the Four Hours
Course N E by E ½ E At 6 P M till 8 P
these two hours have passed
away pleasently tomorrow is a day
of rest
Midnight All quiet Carmy
Wether So Ends these Four
Hours

Ship Ellen Southard Bickford Master
Sunday May 17th 1868 From
8 AM To 12 A M First part
of these Four Hours commences
with Carmy wether So Ends these
Four Hours

☞ Midnight From
8 PM To 12 First part of
these Four Hours commences
with Fresh breezes and Fine
Wether Latter part
commences with
with Fresh breezes
Wind Haulled arround
To SW Squared away
and Stood before it at 11 PM
~~Breezes~~ Good Strong breeze
From SW and we go
Booming along before
it
So Ends these Fou

Ship Ellen Southard Bickford
Master On the Passage From
Savannah To Liverpool
At Sea May 18th 1868

From 4 AM To 8 AM

First part of these Four Hours commences with a good Strong Breez at 4 30 corsted the yards no Sails in Sight this Morning the Wether indicates a good Strong Breeze I hope it will continue so She is going 8 Knots though the Water so ends these ~~Day~~ Four Hours From 6PM till 8PM First part of these 2 hours commences with Breezes & Rainy Midnight From 12 AM till 4 AM First part of these two hours commences with Fresh Breezes and Rainy at 12 Cleved up the Mainsail at 8.30 Set the Mainsail & Main Degallon sail

Dr To Capt Alexander
following Articles
8 lbs of Tobacco
2 Shirts 1 Bed 1 [illegible]
1 pair of Mattrass
2 [illegible]

Ship Ellen Southard Bickford Master

Journal Of A Passage From Savannaah To Liverpool

At Sea May 19 1868 Tuesday

From 8 AM till 12 Noon

First part of these Four Hours commences with A Fresh Breezes all Sail Set

Latter part Fresh Breezes & Fogy wether So Ends these Four Hours I will now retire to my virtuous Coutch

Course ENE

Latter part From 4 PM till 6 PM

First part of these two hours commences with Strong Breezes at 4 PM Made A Bark Bound to the Westard with a Fair Wind could not make her out being Foggy at the time so Ends these two hours

Midnight Course E by S

First part of these E by S Four Hours commences with a good Strong Breeze all Sail Set She is going 6 Knots through the water

Latter part Strong Breezes all Sail Set we have had a Splendid run these Four Hours

So Ends the Day

Course E by S

Ship Ellen Southard Bickford Master
At Sea May 20th 1868

Wensday From 4 AM till 8 AM

First part of these Four Hours commences with Strong Breezes Latter part Fogy and Rainy Wind the Same Course E by S

From 6 PM till 8 PM

First part of these two Hours commences with Light Breezes and Fogy wether it is dampe Fogy wether All Sail Set

Course E by S

Midnight

First part of these Four Hours commences with Carmy wether Fogy and Rainy Wind WSW these Four Hours ~~commences~~ no incident worth mentionnig

So Ends the Day

Course E by S

I will now retire to my virtuous Couch

Ship Ellen Southard Bikford Mast

Journal of a Passage From Savannah To Liverpool

At Sea May 21 1868

Thursday From 8 AM To 12 Noon

First part of these Four Hours commences with Carmy wether & Foggy Latter part Foggy and Rainy Course made these Four Hours E N E Course E by S

Midnight First part of these Four Hours commences with Light Breezes and Fine Wether Booming along before the Wind with Square Yards We Loged her at 8 Bells she was going 8 knots though the water I will know retire to my virtuous Couch

So Ends the Day

Ship Ellen Southard Bickford
Master Journal of a Passage
From Savannaah To Liverpool

Friday May 22th
From 4A to 8AM

First part of these
Four commences with Fresh
Brezes & Fine wether Square
Yards going along at the rate
of 8 Knots an Hour
So Ends these
Four Hours. Course E by S

Wind SW

From 12 P.M. till 4 PM
First part of these Four Hours
commences with extremely
cold wether Braced Sharp up
at 4.30 Tacted Ship
Still continues
Cold & Rainy So Ends these
Four Hours

Midnight Good
Strong Breze From NE
Wind Dead ahead at 2.30 A M
Set Fore and Maine Togallon
Sails So Ends these Four
Hours I will now retire

Ship. Ellen Southard Bickford Mas

May 23
Journal of a Passage From ~~Liver pool To~~ Savannaah To Liverpool

From 8 A M till 12 M N

First part of these Four Hours commences with Head Winds at 12 Tacked Ship Heading N N E Course E by S it Still continues Cold as ever I will now retire to my virtuous Couch

Sunday Sabbeth Morning

Midnight First part of these Four Hours commences with Carmy Wether at Four Bells wore Ship and Stood to the Southard the Wind to the Northard and a Ded Calm So Ends this Day

Ship Ellen Southard Bickford Master
Journalk of a Passage from Savan-
naah To Liverpool At Sea May 2th

From 4 A M till 8 A M

Sunday First part of this
Day commence with Carmy
wether at 6 A M washed Decks
Middle and Latte part
Calmy wether
Course all arround the Compass

From 12 N M till 4 P M
All these Four Hours Calmy
wether at 1 P M Saw what we
took to be a Steamer could not
mak her Out Surposed to be a
Ship on Fire So Ends these
Four Hours
Course Est

Midnight

First part
of these Four Hours commen
ces with Fresh Breezes
Latter ~~part~~ & Midle part
these Last two hours Wind Haulle
d in our favour Checked in
After yards at 3.30 P M Sail HO
was repeated Forroad it proved
to be a Steamer Bound the same
way with us it is Daylight what
do we see 11 Sails in Sight

We are On the Estern Eddge of the Ban[illegible]s this Day

Ship Ellen Southard Bikford Master
Journell of A Passage from
Savonnaah To Liverpool
At Sea Tuesday May 26th 1868

From 1 P M till 4 P M

First part of these Four Hours commences with pleasent wether and clear Latter & Midelle part

Mille watch Midnight

From 12 AM till 4 AM

First part of these Four Hours commences with Strong Breezes Latter & Midlle part at 3 AM ~~For an~~ made Fore & Maine De gallon sail & Reef Out of Maine Course So Ends these Four Hours

Course E½ S

Ship Ellen Southard Bickford Master
Journell of A Passage From Savannah
To Liverpool, Winsday At Sea May 27th 1868

First part of these Four Hours commences with Good Strong Breezes & pleasent wether At 10 AM Saw a Sail Astern She is comeing upon us fast Midle & Latter part the vessail before Spoken of has come up & passed us it proved to be an American Steamer Bound to some part of Europe So Ends these Four Hours I will now retire to my virtuous coutch

From 8 PM till 12 PM
Midnight First part of these Four Hours commencess with Light Breezes Middle & Latter part Light Breezes

Course Est Wind Noth

Ships in Sight this Day 2 Ships 1 Steamer

We are within 8 Days Sail of Liverpool

Ship Journell of Ship Ellen
Southard Bickford Mast

From Savannah Towords Liverpool Thurs day May 28th/68

This 24 Hours Strong Breezes at 6 PM Sent down Fore Topsail Latter & Middle part Wind the same ~~as to~~

Course Est

Middle & Latter part Much the same Strong Winds No vessails in sight this Day She is going at the rate of 8 Knots an Hour so Ends the Day

Course Est

Friday 29th 1868

~~these~~ These 24 Hours much the same

So Ends the Day
Course E S E

Journell of Ship Ellen Southard
Bickford Master
From Savannah Towords
Liverpool May 29th 1868

First part of these
24 Hours Strong Breezes
this day commenced
scrubing paint work
kept all hands Course Est

Middle part
~~First~~ part of Much the Same
Wind Fair Fogg & Raing
knots 5½ Course E by S
Wind W by South

Latter part
Variables Fogg & Rainy
All hands on Deck this Day
Finished cleaning Paint work
At 8 30 PM Put A man in
Irions for bad behavior
So Ends these 24 Hours
Course E S E
P S All these 24 hours Strong
Breezes

Journell of Ship Ellen Southard Bickford
Master From Savannah
Towords Liverpool
Sunday May 31th/68

First part of these 24
Hours Strong Breezes Course E by S
At 9 AM Saw A Sail

Middle part
Strong Breeze & Squally
Midnight Squally & Raing
At 11 PM Saw A Sail bearing
North Course Est

& Latter part
Fresh Breezes & Passing
Clouds & Squally
This Day Ends with Strong
Breezes Runing with
Degallonsails on
All hands this Day
Painting & Varnishing
if this Breeze Holds
On 6 Days with fetch
us into the English
Channell So Ends the Day

Ship Ellen Southard Bickford
Master From Savannah
Towords Liverpool
Monday June 1th 1868

First part of this Day
Strong Breezes & Squally
Middle part
Much the same
Latter part
Fresh Breezes &
Passing Clouds
So Ends the Day

Course SE by E

Journell Of Ship Ellen Southard
Bickford Master
From Savannah
Towords Liverpool
Tuesday June 2th 1868

This Day
Commences with Strong
Breezes & Fine wether
Middle & Latter part
Squally & Rainy

Midnigh
At 10 PM Saw A Sail
Bound to the westerd
So Ends the Day
Course SE by E ½ E
Long 23,30 Lat 50.23

Ship Ellen Southard Bikford
Master From Savanna
Towards Liverpool

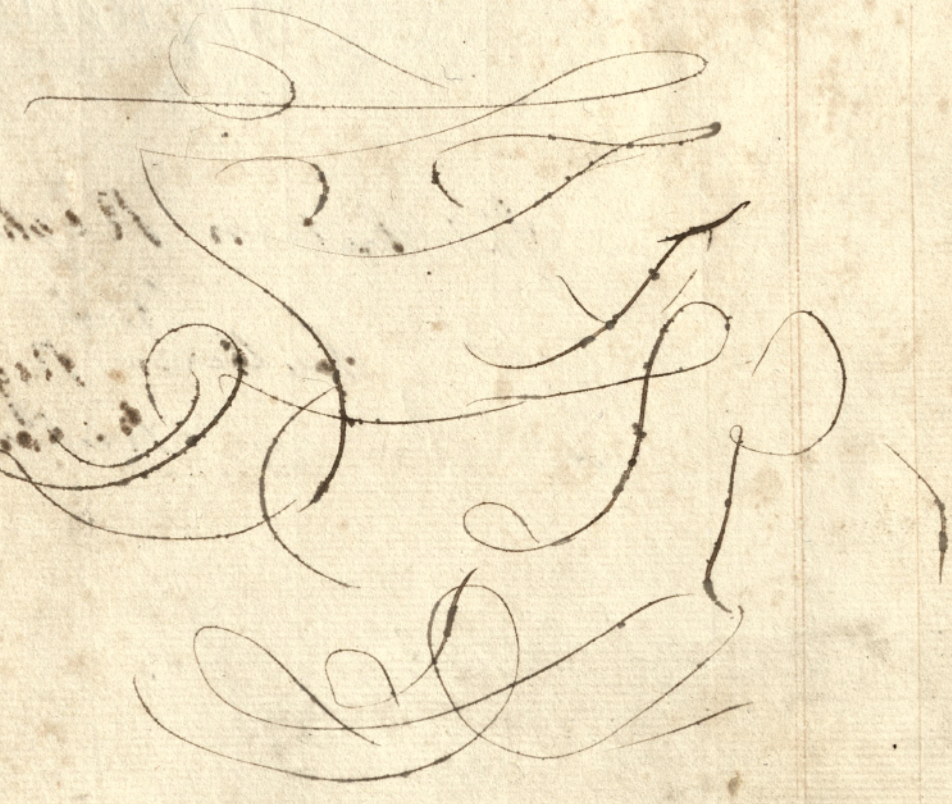
Wensday June 3th 168

First part of these 24 Hours Moderate Breeze & Fine Wether Middle part Light Breezes Within two Days Sail Of Liverpool

Latter part Much the same

So Ends the Day

Course Est



Ship Franklin

John H Drew
Commander

Ship Soutern Rights

R.S
~~Southern Rights~~
Richmond

Journell of Ship Ellen Southard
From Savannaach
Towords Liverpool June 4th 1868

These 24 Hours s Moderate &
pleasent Wether & Light Breezes
At 12 M R Made the Land
Bearing N E 25 Miles dist
Call it Mizen Head
Middle & Latter part Same
Sails in abundence
at 4 PM was Boarded
by Irish Pilots
the wether is Foggy
So Ends the Day

Journell of Ship Ellen Southard
Bickford Master
From Savannaah
Towords Liverpool
Friday June 5, 1868

These 24 Hours Moderate
Breezes Middle part
Foggy wether At 2.30
Made Saltee Light
Bearing N E Dist 7 Mile
at 6 Made
Tusky Bearing N E Dist
10 Miles we are 80 Miles
dist From Liverpool
Latter part
At 8 AM made Holly
Head we are going along
with a fair wind
So ends the Day

Ship Journell of Ship Ellen Southard
Bickford Master From
Savannah Towords Liverpool

Saturday June 6th, 1868

First Part of these 24 Hours
Mederate Breezes & Cloudy

Middle part
Much the Same no Lights
to be seen

Latter part
At 2.30 AM Saw A Light
A Light Bearing N E by E
Dist 8 Miles Call it Salte Light
Ship bearing E by N Dist 12
Miles

at 8 AM got the
Anchors off the Bow

So Ends the Day

Journell of Ship Ellen Southard
From Savannah Twords Liverp
Sunday June 7th 1868

First Part Light Breezes
& Cloudy at 8 AM Sighted bardgy
bearing E S E Dist 10 Miles
at 5 PM Sighted Holly Head
bearing N E by E Dist 14 Miles
at 7 the wind Haulled to the
N E at 8 tack Ship to the N.
Winds Light & Clear

Latter Part

Commences with Light
Breezes & Carm At 4 AM took
a Tug Boat off Holly Head
at 8 AM took a Pilot on Board
off Birken Head at 2 PM come
to Anchor in the River with
the Best Bower & 60 Fathoms
of Chain Employed in geting
the Ship redy for Docking
So Ends the Day

Journell of A Passage From Liverpool
Towards New York Friday July th 3
Remarks on Board
July 3th 1868 Ship Ellen Southard
Buk Ford Master
A 8.30 Cast Loose
From Our morings Took A Tug & Pilot
into the Stream anchored at
4 PM got underway again we
are now on Our way to New York
Goodby Liverpool

Saturday July 4th 1868
Remarks on Board
these 24 Hours Warm Wether
& Light Breezes So Ends these
24 Hours
Running down the
Channell Ship Ellen
Southard
Capt Geo A
Bikford Master

Ship Franklin J H Drew

Ship Ellen Southard
Bikford Master
Journell of A Passage
From Liverpool Towords
New York

Ship Ellen

Journell of Ship
Ellen Southard down Channel
July 3 From Liverpool
Towords New York

Friday 3th 1868 Haulled out of the
Brhamlamore Dock & took
a Tug Boat into the River at
Anchorage Let go the Port Anchor
& 65 Fathoms of Chain engaged
in getting the Ship redy for Sea
at 4 PM Tow Boat came along
side hove up the Anchor & got under-
way down Channell at 9 PM Pilot
Boat came along side for the Pilot
at 12 MD the Tug Boat Let go make
all Sail } So Ends the Day

Saturday July 4th
Light Breezes From the N W
all Sail Set at 3 PM Passed
Point Linus 4 PM off
Holtzhead Light Breezes from
the N W

Sunday July 5th 1868
First part Light winds & Fair
At 6 PM holyhead
bore SE dist 15 Miles From here
I take my departure

Lat by D R 52.12

Journell of Ship Ellen Southard
From Liverpool Twords New York

~~At Sea~~

Monday July 6th 1868

First Part of these 24 Hours
Light Breezes & Calm wether Clear
& fine At ~~Sea~~ 12 PM Off Tusky
Light House
Though the night
Light air & Calms at
At 2 AM Tusky
Light House Bore N by W dist
18 Miles

Latter Part
Much the same Pumps
well attented to
Lat by Obs 52,46

Journell of Ship Ellen Southard From
Liverpool Tords New York
At Sea July 7th 1868
At 4 PM Off head of Old
King Sail 4 35 Old hea of King
Sail bore N & W dist 10 Miles
From witch I take departure

Wensday July 8th 1868

First part of these 12 Hours
Light Breezes wether Cloudy
& Mist of Rain at 4 PM Tacked
Ship Stood to the Southard
at 6 PM handed Light Sight
Sails

Midle Part
Fresh Breezes & Think Latter
Part Moderate Breezes Cloudy
& Think all Sail Set Trimed
by the Wind Pumps well looke
d after Lat by D R 51.18

Varation 2½ Westerly

Journall of Ship Ellen Southard
Bukford Master From Liver pool
Towards New York

Thursday July 9th 1868

First part Light
Breezes & Varible wether Cloody
& thick

Through the night Light
Breezes & Cloody
all Sail Set & Fair
Latter Part fresh Breezes
wether Cloody
Pumps well attended
to
Lat by D R 50,49
Variation 2½ Points Westerly

A B C C D E F G H I

J K K N O P

Ship John Willum

Levi Mustard
Richmond

Hang Kong
China

Mary E. Smith
Richmond
Maine

Levi Jones

Zinah H Vannah

Damariscotta

John why

At 7 30 AM took on Board
Pilot from Pilot Boat No 8
At 10 AM Made Land Call
it Port Royal at 10.30 AM hove
too

Journell of Ship Ellen Southard Bickford
Master From Liverpool Towards
New York
Remarks on Board, Friday July 10th 1868

First part of these 12
hours moderate Breezes wether Cloody
& Foggy

Though the Night Light
Breezes wether Cloody & mist of Rain

Latter Part much the
same all Sail set & Fair

All hands Cleaning
Ship

Pumps well attented to
So Ends the day
th 1868

Saturday July 11
First part Fresh Breezes & Clear
At 2 PM Saw A Ship Bound
to the Estward
Though the night
Fresh & Clear Fine pleasent
Latter Part much the
same

Pumps well Looked
after

Geo A Bickford Master

Journall From Liverpool Towards New York

Remarks on Board Sunday July 12th 1868.

First Part

Moderate Breezes Wether Clear all hands Cleaning Ship

Midle Part Light winds & Calms & Clear

Latter Part Much the Same

Pumps well attended &c

Lat by D R 48,47 Lat by Obs 48,58

Varition 2½ Points Westerly Longin.

Remarks Monday July 13th 1868.

First Part Light Breezes & Calm wether Clear

Though the Night Calm & Clear

Latter Part Light Breezes & wether heavy

All hands Cleaning Ship

Lat by D R 48,36 Lat by Obs 48,48

Variation 2½ Points W/ Long in 20,05 West

Capt Geo H Bikford Master
Journell From Liverpool Twords
New York Remarks on Board
Tuesday July 14th 1868
First Part of this
12 hours moderate Breeze & Clear
At 8 PM Tacked
Ship To the Southard
Midle & Latter Part
much the same wether Clear &
pleasent All hands Cleaning
Ship
Pumps well attended
to

Remarks on Board Wensday
July 15th 1868 First Part of the 12
hours fresh Breezes Wether Foggy &
Rainy At M.K Tacked Ship
& stood to the Nottard & West
Though the night Fresh
Breezes & Rainy A heavy Swell From the
N W At 4 AM Tacked Ship
to the South & West
Latter Part much
the same

Pumps well attended to
Lat by D R 48,34 by Obs 48,37

Capt Geo A Bickford Master
Journell From Liverpool Towords
New York Remarks on Board
Thursday
~~Wensday~~ July, 16. 1868

First Part fresh Breezes
& Passing Clouds
All hands Cleaning Ship
Midle Part moderate
Breezes & Clear
to day commence
to Paint Ship } Latter Part Light
Winds & Calms
Pumps well attended to

Lat by D R	by Obs	Variation	Long in
48,14	47.59		26,07

Remarks on Board
Friday July 17 1868
First Part Light
Breezes & Calm At 2 PM Tacked
Ship to the NW
Light Breezes &
variables at 9 PM Tacked Ship
to the SW
Midle Part Fresh Breezes & Clear
at 4.35 AM tacked Ship to the NW
fine Latter Part fresh Breezes &
Pumps well attended to

Lat by D R	Lat by Obs	Variation	Long in
48.11	48,14	2.W	27,11

Capt. Geo. A. Bikford. Master
Journell From Liverpool Towords
New York Remarks on Board
~~Friday~~ Saturday July 18th 1868

First Part of these 12 hours fresh Breezes & Cloudy Light Rain At 6 PM tacked Ship to the S West Fresh Breezes &c

Though the night fresh Breezes & Cloudy & Mist of Rain A Sail Set trimmed by the Wind

Latter Part Moderate Breezes & Cloody

Pumps well attended to

Lat by D R Lat by Obs Varition Long in
48,16 48,04 2 West 20 12 ~~A~~ mins

Sunday 19th Remarks on Board
July 19 1868

First Part Light Breezes & Cloody & Rain at At 6 PM Saw A Ship Bound to the Estward

Though the night Light Breezes wether Cloody & Mist of Rain

Latter Part much the Same

Pumps well attended to

Lat by D R by Obs varition Long in
46,44 46,56 2 PW 31,45

Capt Geo A. Bickford, Master
Journell From Liverpool Towards
New york Remarks on Board

~~Saturday~~ July ~~18~~ 20 1868
Monday :: 20

First Part of this 12 hours fresh Breezes & the Wether Cloody & heavy

Though the night moderate Breezes & Cloody &

At 1 A M tacked Ship to the Northard Latter Part Cloody & fresh Breezes B

Pumps well attended to

Lat by D R	by Obs	varation	Long in
46.47	46.49	2 W	33.28

85 = 48

John Thomas do do di

90 = 00
2)
89 = 58

43 = 09 alt
12 = 00
55 = 09
34 = 29 lat-sec
89 = 46 Dsec
2)179 = 24
89 = 42 Cosine
55 = 09
34 = 33. sine

.08392
0.0000
9.71900
9.75368
195.5660
92 7830

8

43 = 09
12 = 00
55 = 09
34 = 37
89 = 46
2)179 = 32
89 = 46
55 = 09
34 = 37

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~~9.60983~~
9.75441
194 4888
9.72444

68
35
25
8
3

4 = 16 = 08
7 = 33
4 = 07 = 35
3 = 50 32
= 16 53

4 = 40 = 32
50 = 00
3 = 50 = 32

John Thomp

Brady No 10
Pasley Street
Liverpool

Capt Geo A Bickford Master
Journell From Liverpool Towards
New York Remarks on Board

~~Sunday July 19~~ 1868

Thursday July 21

First Part
moderate Breezes At 4 PM handed
Light Sails At 6 PM handed Top
gallent Sails Though the night
A heavy Sea From the Westard
A 4 AM the Wind haulled to the
Northward At 5 AM tacked Ship
to the Southard & Westard
At 8 AM set
Maine Top Gallon Sail
Latter Part fresh
Breezes & Cloudy & mist of
Rain
Pumps well
attended To

Lat by D R	by Obs	Vari	Long in
46.9	46.56	2 W	31.03

Capt. George. A. Bickford. Master
Journell From Liverpool Towards
New york.

Remarks, on Board

Monday July. 22^{d}. 1868.

First Part of these 12 hours moderate Breezes & Passing Clouds At 1.35 PM onbent Fore Top gallon sail & bent another. wore & Lower Maine Topsail A 5 PM set all Sail Wind Fair

Throughout the night moderate Breezes & Cloudy

Latter Part Light Breezes Wether fine & Pleasent

Pumps well attended to

Lat by D R. by Obs Vari Long in
46.32 2.W 37.39

Capt George A Bickford Master
Journal From Liverpool Towords
New York

Remarks on Board

Thursday
Tuesday July 23 1868

These 24 hours moderate Gales & Cloody Wether & Rainy

At 4 PM handed Light Sails

At 6 PM Saw two Ships Stearing to the Westard Off to Windard

Pumps well looked after

Lat by Rk by Obs Long in
46.45 46.37 41.50

Capt George A Bukford Master
Journell From Liverpool Swords
New York Remarks on Bourd
Thursday July 2[illegible] 1868

First Part of this Day commences with fine wether with A light Breze

Middle Part wether heavy & inclined to Rain

At 4 AM Squared the Yards we are within two Days Sail of the Banks of New foundland

Latter Part fine wether & clear engaged in Painting Ship

Long by D R by Obs Vari Long in
46,50 46,58 41,59

Pumps well looked after

At Sea Evening of the 16th of Feb 1868 8 Oclock my watch below till 12 Oclock
wee have Spoke only wone ~~Ship~~ vessaul sinse wee left Liverpool the Bark Angalener Bound to Rio from Rhoterdam

Ship Ellen Southard
from
Liverpool Towards Savannah

wee are going along with a fair Wind Savannah is our Destination Blow on ye winds I ho and speed us on Occupied in geting Ship redy for Port Painting Ship there is great Discontent amoung the Crew

Sunday Feb 1[illegible]
Squally & Rainy
Close Hauled on the Wind
hard hard indeed
A is Raining in
Torents & Dreary Day

Capt Geo A Bricksford Master
Journell From Liverpool Towords
New york Remarks on Board

Friday July 26th. 1868

Ship Franklin

Postoffice Department

P O

Postoffice Department

Washington

Capt Geo A Bikford Master
Journell From Liverpool Towards
New York

Remarks on Board

Saturday July 25 1868

First Part Light Breezes
& Calm Wether Cloudy & mist of Rain

Throughout the night
moderate breezes & Cloudy

Latter part Strong
Breezes & Passing Clouds

Pumps well attended to

Lat by D R	by Obs	Vari	Long in
46,51	46,48	2W	44:50

~~Capt~~ Geo A. Bickford Master

Journell From Liverpool Towords

New York Remarks on Board

Sunday July 26th 28 1868

First part of these 24 hours moderate Breezes passing Clouds

At 11 P M handed Light Sails

Thoughout the night Fresh gales & heavy Rain

At 1,35 A M all hands ~~Shorting~~ Stowing Sails

At 4 A M Wind halled to the N, W

Latter part moderate & all Sail Set

At 9 A M tacked Ship to the Southward & A heavy Sea running

Long by D R	by Obs	Vari	Long in
46,17	no obs	2 W	47,5

Sep 16 70

~~Capt~~ Geo A Bickford Master
Journell From Liverpool Towards
New York Remarks on Board
Monday July 27 1868

First part of these 24
hours fresh Breezes & Cloudy

At 4 PM handed Light
Sails & Fore & Maine Top Gallants

At 8 PM Tacked
Ship to the Northward

Middle Part fresh
gales & heavy Rain

At 11 PM handed
the Crotchic & Shanker

At 11.25 AM
handed maine Course.
At 5 AM Called all hands to shorten
Sail stowed the Fore & Maine Top
Sails & Close Reefed the Mizen
Top Sail

Latter part moderate
wether clear & a heavy Sea Running
from the Westard
Lat by D R by Obs Vari Long in
46,16 46,37, 2W 46,46

~~Capt~~ Geo A Bikford Master
journell From Liverpool Twords
New York

Remarks on Board

Tuesday July 28th. 1868

First part moderate
breges wether clear + a heavy Sea runing
From the westard at 1 PM Set the aper
Maine + Fore Topsails

At 4 PM all Sail
Set trimed by the Wind

Through the night
Light Air + Calms + A think Fog

Latter Part Light
Breges + Cloody + Thick

Pumps well attended to

Lat by D R by Obs vari Long in
47.02, No Obs | 2 PW 48.22

~~Capt~~ Geo A Bikford Master

Journell From Liverpool Twords New york

Remarks on Board

Wensday July 29 1868

First Part Light Breezes Wither Cloudy & thick

At 4 PM tacked Ship to the Southard all Sail Set trimed by the Wind

Through the night Light Breezes Cloudy & A thick Fog

Latter Part much the same All Sail Set trimed by by the Wind

Lat by D R	by Obs	Vari	Long in
46,43	46,28	2 PW	29,39

Richmond E Mann

Boston

Massichusetts

Capt Geo A Bickford Master
Journell From Liverpool Towards
New york Remarks on Board
Thursday July 30th 1868

First Part Light
Breezes & Clear

At 4 PM Sighted A
Brig Stearing to the Estward

Middle & Latter
Part Light Breezes & Clear

At 8 AM tacked
Ship to the Northward

All Sail set &
by the Wind

Wind Changeable

Pumps Well attended to

Lat by D R by Obs Vari Long
42,50 No Obs 2 PW 44

Capt Geo A Bikford Master
Journell From Liverpool Towards
New York Remarks on Board
Friday July 31 1868

First part Light Winds & Changes ble & wether Clear

At 2 PM the Wind hawled suddenly to the Northward

At 2,25 tacked Ship to the Westward

Middle Part Light Breyes & Cloudy

Latter Part
Much the same all Sail set & trimed by the Wind

No Obs this Day
Lat by D R by Obs Vari Long in
44,40 No Obs 2 PW 46,23
the Last Day Of July 1868

Ship E Ellen Southard Mr Levi Hustake Richmond Maine
Penmanship Postoffice Department
Potland Maine
Bos Boston Benson
P Ben B
Penmanship
Benson
Penmanship
Boston Massachusetts
Marriott
Pattygahan
Massachusetts Massachusetts P
Marion Atlantic Sarah King
Ocean
Indian Ocean
8
Ship Franklin

Journal of Ship Ellen Southard
from Liverpool towards New York
Geo A Bickford Commander

Remarks on Board
Saturday Aug 1th 1868

First Part Light
Air & Cloudy

This Day in company
with a Brig Bound bound to
the Westward

Middle Part
Light Air & Calm Wether

Latter Part Light Breezes
& Clear

Pumps Well attended to

Lut by D R	by Obs	Vari	Long by Obs
45.46	45.37		46.49

Journell of Ship Ellen Southard
From Liverpool Towords
New York Geo A Bikford
Commander

Remarks on Board Aug 2th
Sunday Aug 2th 1868

First Part of this
24 hours Light Breges & Passing
Clouds

Through the Night
Fresh Breges & Clear

At 4 PM Sighted
An Iceburg to the Estward

Latter Part much
the ~~same~~ Wether Clear

At 10 AM Sighted another
Ice Burg to the Westward

Lat by DR	by Obs	Vari	Longi
44,25	44,21	2½	49,08

Journell of Ship Ellen Southard
From Liverpool Towords New
York Geo A Bikford Commam

Remarks on Board
Monday Aug 3th 1868

All these 24 hours
fresh Breges & Cloody & thick fog

To Day Saw A number
of Ships Bound to the Estward

All Sail Set & trimed
by the Wind Pumps Well atten
ded to

Lat by DR	by Obs	Vari	Long
44,48		2 PW	51,3

Journall of Ship Ellen Southard
From Liverpool Twords New york
Geo A Bikford Commander
Remarks on Board this Day
of Our Lord

Tuesday Aug 4th 1868

First Part Light
Breezes & Cloudy

Middle & Latter
Part Thick Fog & Light
Winds all Sail Set & trimed
by the Wind

Pumps Well attended

Lat by D R	Lat by Obs	Vari	Longi
46,10	No Obs	2½ W	52,24

Journal of Ship Ellen Southard From
Liverpool Twords New York
Geo A Bikford Commander

First Part Light
Breezes & A thick Fog

At 7 PM made
the Land Cape Race Bearing
NNE dist 4 Miles tacked Ship
to the Southard

Middle Part
Light Breze Wether Cloudy
& A Light Fog

Pumps Well
attended to

Lat by D R	by Obs	Vari	Longi
45;48	45;48	2½ W	53,0

Journal of Ship Ellen Southard From
Liverpool Twords New York
Geo A Bikford Commander
Remarks Wensday Aug 5th 1868

First part Light
Brezes A thick fog

Middle part Commences
With fresh Brezes

Latter Part
Much the Same

Lat by Obs no
D R 44,56
Long 55,48
Varition 2½ Points W

Journal of Ship Ellen Southard
From Liverpool Twords New York
Geo A Bikford Commander
Remarks on Board
Friday Aug 6, 1868

First part fresh
Brezes & Clear

to day in Company
with A Bark Bound to the
Westward

Thoughout the night
Moderate Brezes & Cloudy

Latter Part much
the Same Wether Clear
Lat by Obs 43,37
D R 43,27
Vari 2½ P W
Long in 57,41

Journall of Ship Ellen Southard
From Liverpool towords
New York Geo A Bickford
Commander

Remarks on Board
Saturday Aug 8th 1868

First Part of this 24 hours moderate Brezes & Cloody

Middle & Latter Part Light Brezes & Cloody & thick Fog

Pumps Well attended to

Lat by Obs M
D R 42.57
Vari 2 Points W
Long in 59.30

Journal of Ship Ellen Southard
From Liverpool Towords
New York

Remarks on Board
Sunday Aug 11 1868

First Part Calm & Cloody

Middle Part commences with A light Breze & Passing Clouds At 12 M I tack Ship to the Southward

At 7 A M Tacked Ship to the Northward

Latter Part light Brezes & fine Wether Clear & fine All Sail Set & trimed by the Wind

Lat by D R 42.50
by Obs 42.58
Vari 1¾ P W
Long in 60.16
Long by Obs 60.16

Geo A Bikford Commander

Journell of Ship Ellen Southard
From Liverpool Towords
New York

Remarks on Board
on Board
August 10 Monday Aug 10
Commences With
fine Breges & Clear
In Company
With A Ship Saw Several
vessails Bound to the Estward

Middle Part
moderate Breges Clear &
Pleasent
All Sail Set &
trimed by the Wind
Latter Part much
the same
Pumps Well attended
Lat by D R 42,08
Obs 42,02
Long in 63,26
Vari 1 1/2 W

Journell of Ship Ellen Southard
From Liverpool Towords
New York Geo A Bikford
Commander.

Remarks on Board
Tuesday Aug 11th 1868
First Part Commences
With Light Breges & Squally with
Rain
Throughout the night
Light Winds Wether Cloudy
& thick Fog
At 12 MD tack
Ship to the Southard
Latter Part Calm
& thick Fog
Pumps well atten
ded
Lat by Obs 42,32
Lat by D R 42,20
Long in 64,05
Vari 1 3/4 W

Journell of Ship Harriet Hussey

Journell of Ship Ellen Southard
From Liverpool towords New
York

Remarks on
Board Wensday Aug 12th
1868

At 2 PM Commences with A Light Breges &
mist of Rain

Middle Part light
Breges & Passing Clouds

At 12 M
Tack Ship to the Southard

At 3 AM the Wind
haulled to the Southwest & Tack
Ship to the Northward

Latter Part
Light Airs & Calm Wether heavy
Rain Lat by Obs No Obs
by DR 42.28
Long in 65.05
Vari 1½ West

Journal of the Ship Ellen
Southard From Liverpool
Towords New York

Remarks on
Board Thursday Aug 13th 1868

First Part Commences with Fresh Breges & Cloudy
& mist of Rain.

At 4 PM
tack Ship to the Southard

Middle Part fresh
Breges Clear & fine Wether

Latter Part much
the Same Wether Clear all
Sail Set & trimed by the
Wind

Lat by Obs 41.09
Lat by DR 41.01
Vari
Long in 66.47

Journell From Liverpool
Towords New York

Friday Aug th First Part of this
24 hours Light Breges & fine Wether

Middle Part Light
Wind & Passing Clouds

Latter Part Much the Same

Lat by Obs 39.47
Lat by D R 39.46
Vari 1 Point West
Long in 67.14

Journell of Ship Ellen Southard
From Liverpool Towords
New York Remarks on
Board Saturday Aug 11th 1868

Begins with Light
Breges & Clear

At 12 M D tack Ship
to the Northard

Middle Part Light
Winds Clear & pleasent

Latter part much the
same wither very warm

Lat by D R 40.42
Lat by Obs 40.36
Vari 3/4 W
Long in 68.12

Journell of Ship Ellen Southard
From Liverpool Twords New
York

Remarks on Board

Tuesday Aug 18 1868
commences with Small
Breezes & Clear 43 Days
from Liverpool twords
New York and expect to
be there when wee get there
All Sail Set & trimed by the
Wind

Middle Part much
the Same fresh Breezes & Clear,
Latter Part fresh Breezes & Passing
Clouds Light Rain

At 11 A M took
A Pilot on Board from the
Pilot Aspinwall number of Boat
21

Journell of Ship Ellen Southard
From Liverpool Twords New
York Remarks on Board

Journell of Ship Ellen Southard From Liverpool
Twords Savannah

Ship C. H. Southard
Capt L. R. Ross
of
Richmond

Journell of Ship C. H. Southard Richmond
Capt, L R Ross Me
From Liverpool
Twords New York

Mr Rot

Mr Levi Mustard
Richmond
Me

Mrs Levi Mustard
Richmond
Me

Journell of Ship Ellen Southard
From Liverpool Toords New
York

Remarks on Board

Journell of Ship C H Southard
Capt L R Ross
Ship Ellen Southard
Bickford Master
Ship Jane J Southard
Bishop
Master

Ship Eqwell Rights Ross Master
Ship Southern Rights Willums
Ship C H Southard Ross Master
Ship Ellen Southard Bickford Master
Suspense &c &c &c
& &c Xenophon
Florence J James W Mustard
&c Edmond

Journell of Ship Ellen Southard
From Liverpool Toords New
York

Remarks on Board

Brakford Master
Journell of Ship Ellen Southard
From Liverpool Toords Savannah
Feb 24 1869
Remarks on Board
First Part of this
Day Commences with Light Breezes &
fine wether ~~at~~ got up Chains this Day
Dist 120 Miles from
Tiby ☞ She First Class American
Ship Ellen Southard
Bickford Commando

Journell of Ship Ellen Southard
From Liverpool Twords New
York
Remarks on Board

Journal of Ship Ellen Southard

From Savannah

Twords Liverpool June 1869
From Boston Twords [illegible] Boston

L L L Levi Mustard Esq

James W Mustard

Ship Franklin

Journell of Ship Ellen Southard
From Liverpool Twords Ns
New York
Remarks on Boar
August 8 1868

12
45=45
45=57
26=79
19=38
9=49

5=52=03
3=22=47
12=29=16
7=14=38
4=37=25

14
25=54 E ½ N 3¼ Points
11
26=19 S E 4 8 7 7 miles
45=57
72=16
36=08

Friday Sep 16/70

2-37-37=8
7=14=47
2=44=52=27

57-93
7½
40551
2896
43347
7=14=47

El Time -2-29-6 corec 10,49495
Dec 2-44 sec 10,00049
10,49544
Hlfsum alt 36°=08 Cosine 9,90722
" Diff sine 9,23171
9,65437

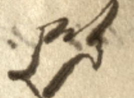
coc 9,97663
corec 10,22939
sec 1000641
Cos 995540
sec 10,16783

Lat at 10=45 39=06
E ¼ N 7 miles
39=07

Lat at noon 39=06

cosec
Cosine
2=52 N
47=12
44=20

11,32425
997663
11,30088
9,95540
sine
984437
sine 9,79977

Geo. A. Bickford

Commander

Journell of Ship Ellen Southard
From Liverpool Towards
New York

Remarks on Board

Journail of Ship

Journail of Ship Franklin From Boston
Towrds Batavia

Boston

R Remarks

R Remarks

Remarks on Board

Remarks on Board Sep 1 1870

Remarks on Board Sep 1/70

Ship Franklin John H Orr Commanding James H Orr

John H Orr

J W Mustard

2 Mate of Ship

2 Officer of Ship Franklin

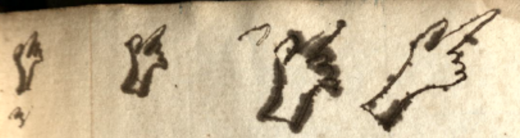
James W Mustard Boston Mass

Mustard B

Richmond Me

Boston

Boston Mass



Ship Franklin Boston Massachusetts
At Sea June 17/70

From Boston Towards Bataviaah East-Indies
This day Fore Top Galant Sailding Sails set
Wind SW Course SE¼E

James

1111 111111

7 42 42
6
6
8
8

28

35

42

William Jones of Boston Mass

Wm Jones of Boston Mass

Jounagl of Ship Franklin From Boston

Friends Batavia

Boston

R Remarks

R Remarks

Remarks on Board

Remarks on Board Sep 1 1870

Remarks on Board Feb 1 1870

Ship Franklin John H Drew Commanding

John H Drew

J W Mustard

2 mate of Ship

2 Officer of Ship Franklin

James W Mus

Boston Mass

Mustard R

Richmond

Boston

Boston Mass

Ship Ellen Southward Allis Master

Hours	F	K	Courses	Winds	Lee	Remarks on Board
2	8½		SW	~~W by N~~		
4	8½					
6	8		W S W	N W		
8	8		W by N	N by E		
10	4					
12	4					

14

Remember
On Board Ship
Porcahontius Aprl 27 1868
James Mustard

4

N1

37=56
12
38=08
107=16=02003
14=32 01412
159=56 924110
79=58 982410
38=08 1909935
41=50 954967

90=00 P D
17=16
107=76

38=05
12
38=77
107=16= 02003
74=32 01412
160=05 23823
80=02 82349
38=77 1909578
41=45 954789

9=73=52
5=53
9=19=45

12=19=29=12=20=77
45=10 45=19
11=34=19 12=35=079
9=19=45 9=20=25
2=14=34 2=14=42

9=74=32
5=53
9=20=25

33=38

33=40

49) 2800 (5720
200
20

127
40
4980
5) 8-6
7 4
69

80

Jan 10 1868
expenses in Rotterdam
127 Guillders

1	par of Sea Boots	11	Guillders
1	blanket	4	"
1	pair of Shoe "	6	"
1	" " Slipers	1	"
1	Oillskin Jacket	7	"
1	Jack knife	1	"
1	Mersham pipe	8	"
1	cap and Other dito	1	"
1	Sou wester	1	"
1	Ladies Gold watch Chain	45	
2	~~pair~~ Shirts fancy	13	
1	pair Ladies Kids	1 1½	
	Tobacco	1	
	pipes fancy	2	
1	pair of Suspenders	90	Guillders
		1	
		91	Guillders
1	Hat	4	
		95	Guillders

127
95 Guillders no acount
22
40 cents to a Guillder
8 8,80 Spending Mony

From Boston Towards Batavia

H	K	K	Course	Winds	L	Remarks on Board Ship
						Ship Franklin Drew [illegible]
4						

James W Mustard

Ship Franklin Boston

---

15 - 2 29

90 = 00
15 = 53
105 = 53

alt
28 = 37
12
28 = 49
105 = 53
22 = 00
157 = 42
79 = 51
28 = 49
51 = 02

= 01691
03283
9,24607
9,89071
1918652
9,59326

8 = 55 = 20
5 = 19
9 = 00 = 39

11 = 46 = 51
45 = 39
11 = 01 = 12
9 = 00 = 39
2 = 00 = 33

286 - 41

30 = 16
12
30 = 28
105 = 36
23 = 05
159 = 099
79 = 349
30 = 28
49 = 06

01630
03624
25790
981607
1912651
95 6326

90 = 00
15 = 36
105 = 36

9 = 08 = 16
5 = 10
9 = 18 = 26

60
11 = 56 = 40
45 = 45
11 = 10 = 55
9 = 13 = 26
57 = 29

01630
03624
25790
87844
1191 8888
9,59444

8 = 54 = 48
5 = 10
8 = 59 = 58

11 = 56 = 40
45 = 45
11 = 10 = 55
8 = 59 = 58
2 = 10 = 57

32 = 44
9
32 = 53 Long by Chron
32 = 41

6
4

Ship Franklin J. H. Drew Comander

30=04
12
30=16
29=58 06211
104=23 01383
164=34 912799
82=17 89663
30=16 1510056
52=01 955028

90=00
14=23
104=28
24=27

9=13=36
4=30
9=18=06

30-08
13
2955

13-8

12=24=06
46=08
11=37-58
9=18=06
2=19=52

34=58
8
35=06

27=34

Jonied Ship Ellen Southard Sept 16th 1867

A Mony Received of G. A Bickford for searvices rendered on Board Ship Ellen Southard

Liverpool Received 6.00

Nov 20 — Savannah Rec $17.40

Tobaco 8 lbs

Total

$86.00
17.50
58.50
6.00
57.50
7.00
60.50

675
6

40
8020
960
224

8528
3553
4955
1907

27) 9000 (74
189
110
108
20

104
74
26
5
130

5
1.00
670

1750
40
900
95
9600

Bothumas ||||

C. E. S. XI

40
200
60 40 $1 52.83
1595

139.40
13.98

9) 400
1333

Feb 16th 1869

Ship Ellen Southard from Liverpool
Twords Savannah
with we are going
along know with a fine breze within
10 Days Sail of Savannah
God speed us on
53 Days out from Liverpool

A long Passage and hard name

Ship Franklin John H Drew Comander From Boston To Batavah Private Journail

~~82~~ ~~3~~0 =

Elap time 2 = 31 = 48993
Dec 5 = 43 = 10,00217
A Cosecant 10,49210

27 = 34
44 = 18
½) 71 = 49
35 = 54

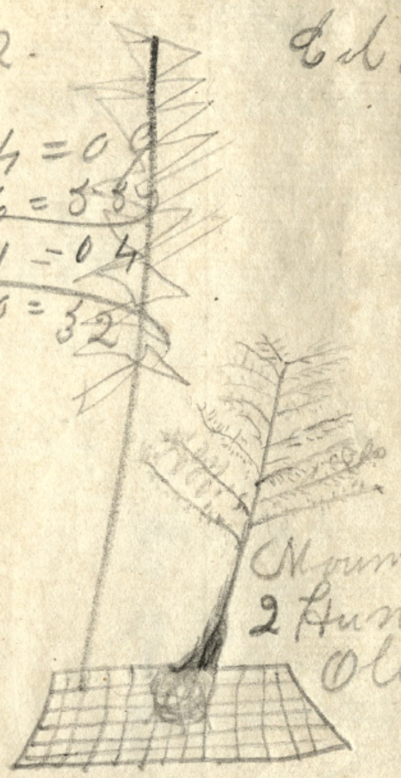
J

Col 2

1. 5 4 = 09
4 6 = 55
2) 101 = 04
5 0 = 32

Col 3

11,00170



Mountains Oak
2 Hundred Years
Old

44 = 18 w
27 = 34
16 = 41
8 = 20

Elap time 2 = 31 = 48993
Dec 5 = 43 = 10,00217
A Cosecant 10,49210
½ Sum alts 9,90854
Cosine 55 = 54
½ diff 8 = 20 Sine 9,16116
9,56177

7
2
14
3
18

18

Colm 2

Cosine 9,97623

10,23183

10,00461
9,96903

10,18170

Colm 3.

11,00170
9,97623
Cosine 1 N 9,97193
86 2

H

9,96903
Sine 48 = 57
40 = 49
9,83229
09,80152

39 = 16

1 Collumn

EL time 2=30=44 Cosec 10.49216

Dec 5=23 N Sec 10.00192

A Cosec 10.49408

½ Sum alts 33°=14' Cosine 9.91476

½ diff alts 8=57 Sine 9.19193

9.59777

E

39°=00"

Sep 17, 70

By Double Altitudes

2 Collumn

Cosine 9.97645

Cosecant 10.23818

Secant 10.00532

Cosine 9.96294

Secant 10.18289

3 Collumn

Cosec 11.02777

Cosine 9.97645

11.00416

B 5°=41' Cosec 9.9629

48°=54' Cosine 9.83621

42=18 sine 9.79913

39=02

5=29=32

7=59=46

2=30=14

1=15=07

6=44=39

44=04

12

44=16

26=21

17=55

8=57

E

25=49

11

21

26=21

44=16

170=37

35=18

E ½ N 3 Points

S E 4 E ½ E

Dec 5-18=15-1

4=5762

5=25=1272

56=69

5

28545

1417

6)29762 ∠ 4,57.6

240

57.6

At Sea Jan 27th 1864

Thursday Jan 27th 1869

head winds & Carring 35 Days out from Liverpool no events worth mentioning this is my last Passage in the Ship

Friday Jan 28

Passage Ends 68

Days from Liverpool

James W Mustard

on Board

Ship

111111

49
5
900
10

26
16
10

40)800

49)900
280
20

39)400
30
10

33)100
33
10

13,00

2
13 00
213,00

213 80
5 8 98
2,28

213 80
5 898
154,82

on Board Ship Ellen Southard
Liverpool Nov 10 1868

Sundry articles

		£	S	P
1	Monky Jacket	1	00	..
1	Watch repaired	1	8	..
2	Shirts	2	15	..
1	quardrent	..	8	..
1	pair of Shoes	..	15	..
3	pairs of Draws		1	
1	Cap		1	10
4	Boxes of Soap		1	..
1	Clothes Brush			
8	pairs of Merino Socks		8	
1	Bottle of Pomonead		1	..
2	Knifes		41	4
1	fine tooth Comb		1	6
9	Pocket Hankerchiefs		..	18
1	Pipe		2	
1	Pound of Tobaco			
		8	1	0

Johnson & Company

G 83.107.12

46.00
12 96 87
14 28 7

15, 10

4.00
2 00
14 28 7
28
10

750

15 25
6 15
90 125
375
98 75
312
96 87

3, 17

312

14 28 7
1 4 7